

PC Programmable remote help (Professional version)



*For more information and support, please see Remote Control Database Center
www.clurc.net.*

Version description

- Retail or end user version
Only contains user guide.
- Professional version
Not only contains user guide, but also contains user guide for professional users.

Quick Guide

First Step

1. Prepare PC programmable remote control and install 2pcs AAA battery.
2. Prepare PC programmer(transceiver) and plug into the USB port of PC.
3. Downlaoding and installing software in your PC(windows OS).

Second Step

1. Identify(Read)
2. Code Select from database
3. Program(Write)

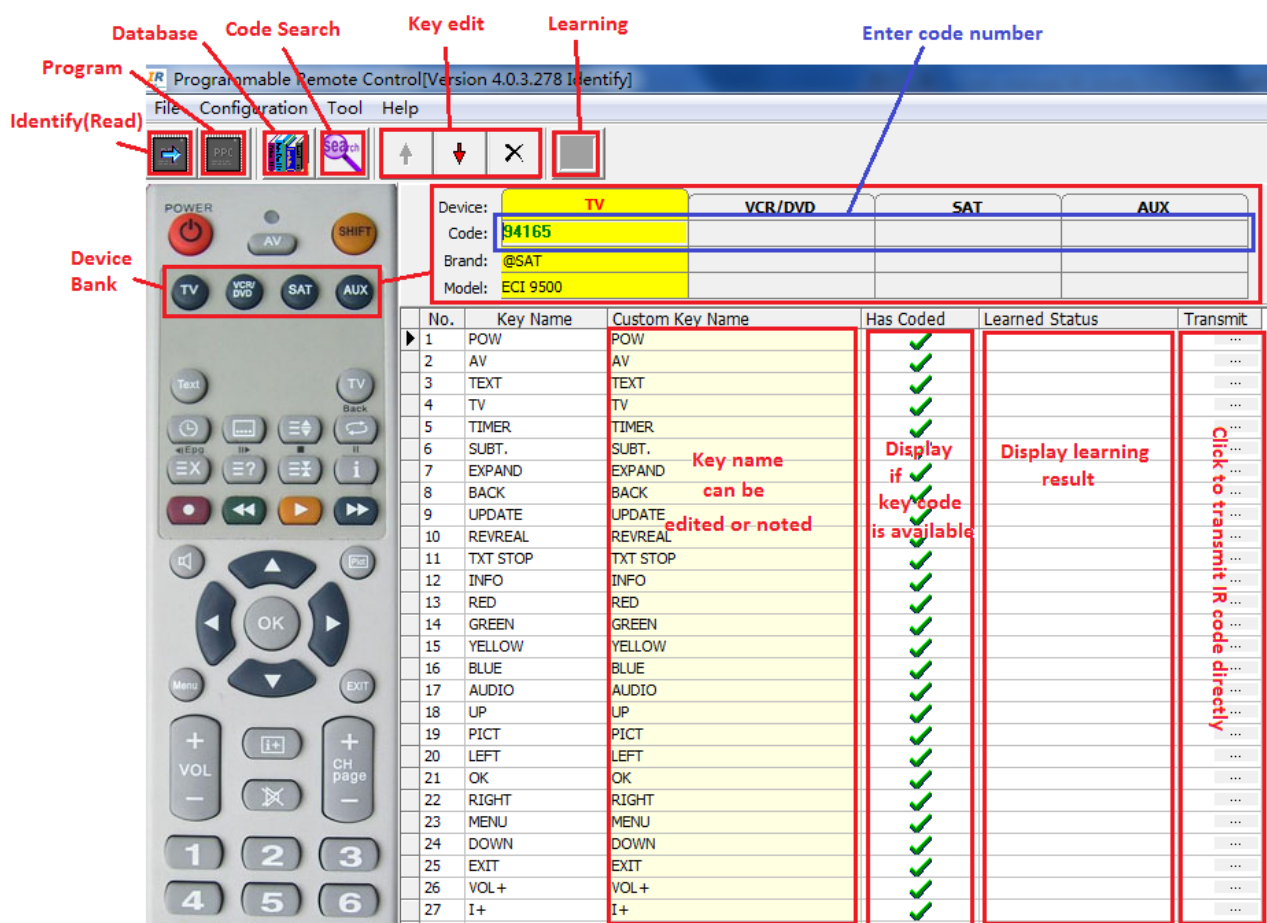


Photo 1

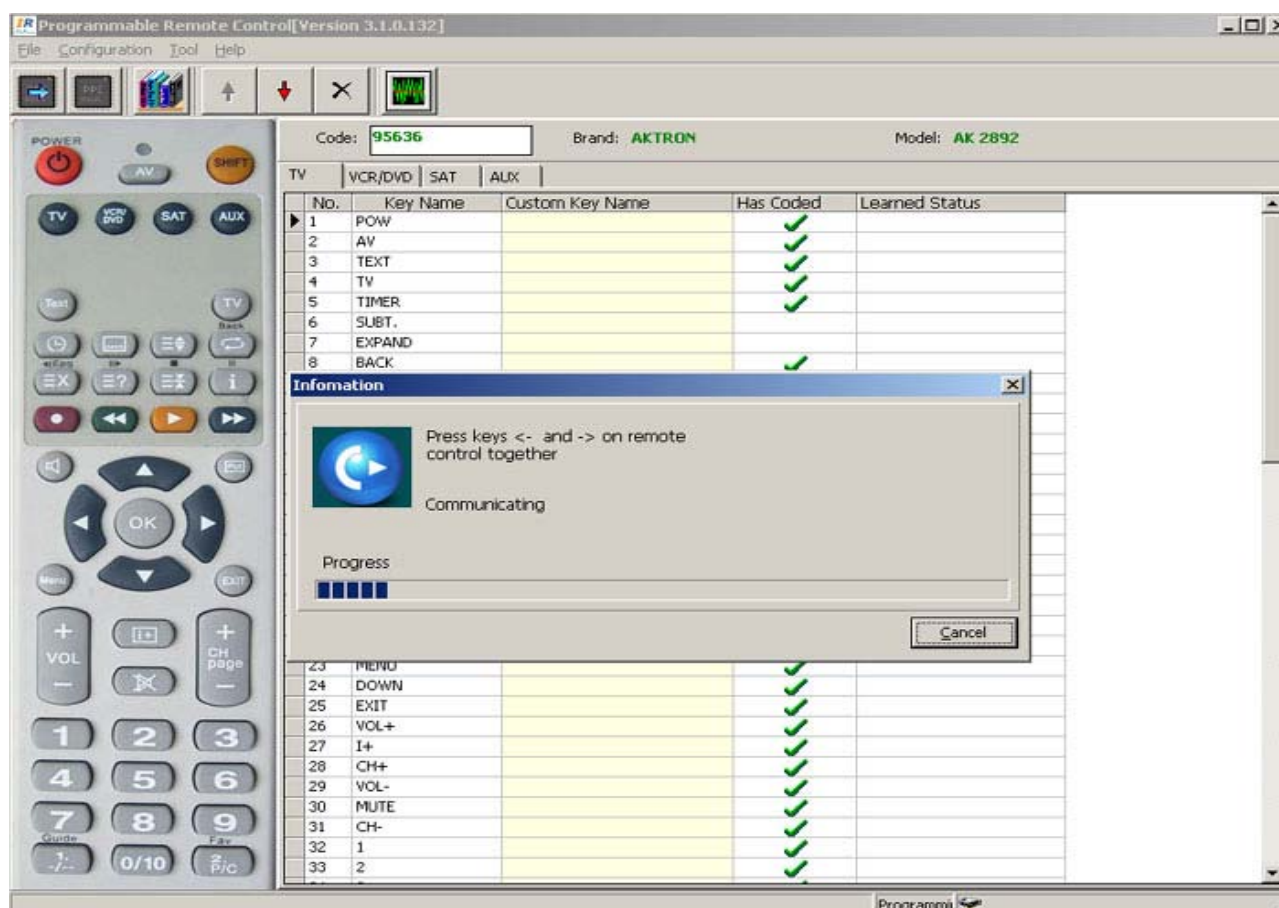


Photo 2 Program

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1, Description

PC programmable remote control is an update product for traditional universal remote control. Its main difference and characteristic is the IR code database source.

Universal remote control contains IR code database in itself. PC programmable remote database is stored in PC or web server. So PC programmable remote has no risk to be out of date.

IR communication mode remote control needs a transceiver to connect to PC. Please see below diagram



2, Remote control

This kind of remote looks same as universal remote control or learning remote control. It combines all functions of universal remote control and learning remote control.

It can be programmed with any code of any device. Because its key code can be programmed to any number of key, we can design any kind of remote control with any key name to replace original remote.

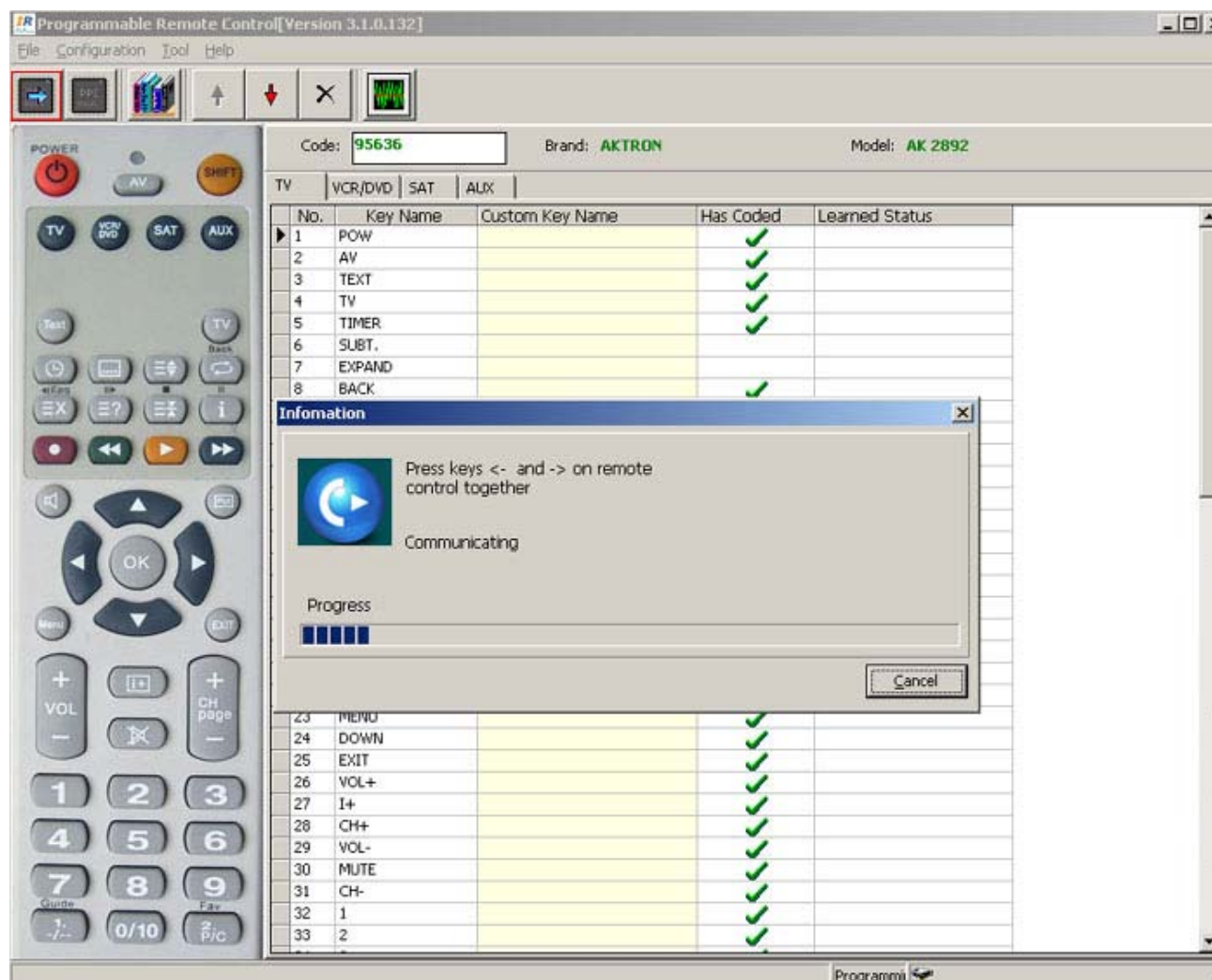
3, Programmer

The IR code data is stored in PC. It needs a transceiver or programmer to program to PC programmable remote control.

IR mode, this PC peripherals is connected to PC with USB cable and communicate with remote control by IR signal. This peripherals is indeed a transceiver, or we can call it programmer, because it program remote control with the IR code in PC.

4, Identify(Read)

When first using or after programming, it can be identified by PC software and read back the content in the programmable remote control. Please see below diagram.

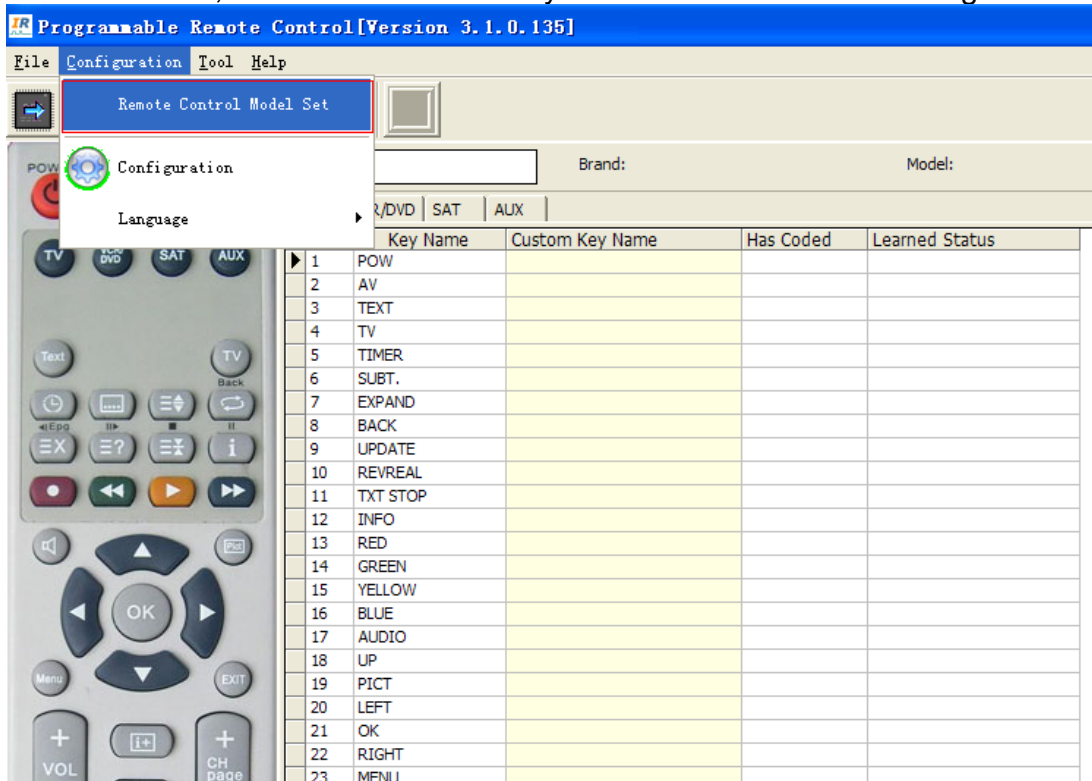


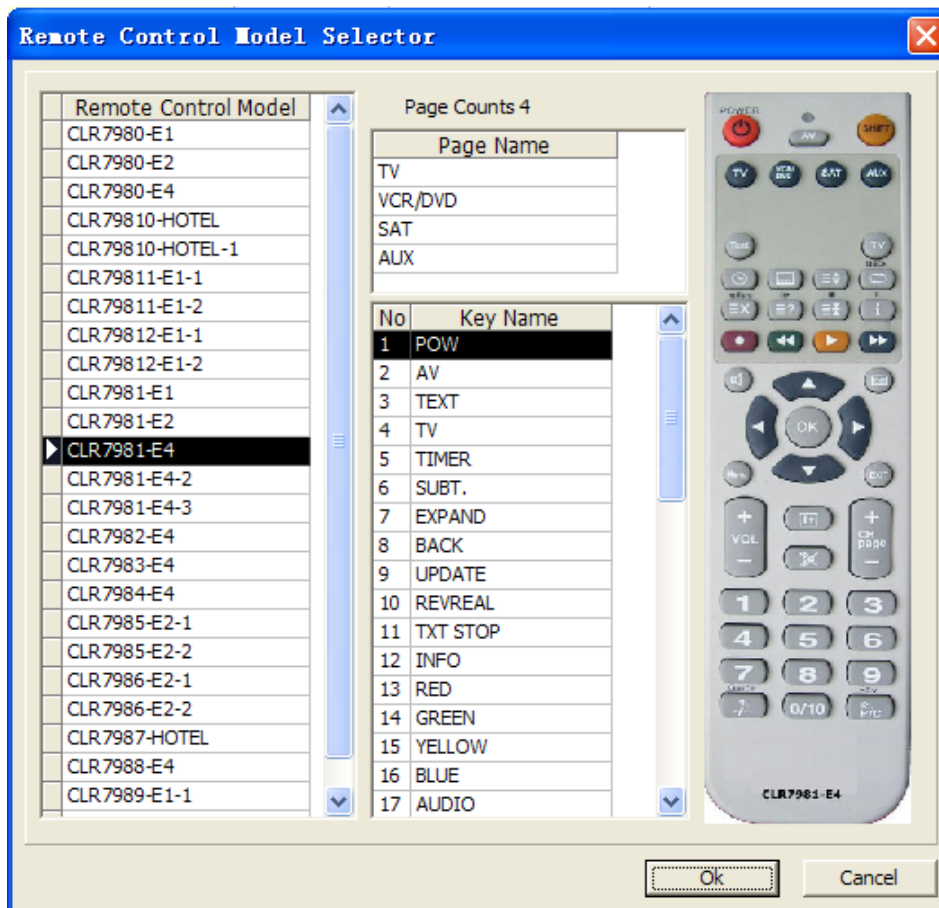
For V3 version, after identify, the photo and model of the programmable remote control isn't changed, the content of the programmable remote control will be read back and displayed in the software as above diagram, including Code, Brand, Model and key code info.

For V4 version, after identify, the photo and model of the programmable remote control will be identified to correct model and photo, the content of the programmable remote control will be read back and displayed in the software as above diagram, including Code, Brand, Model and key code info.

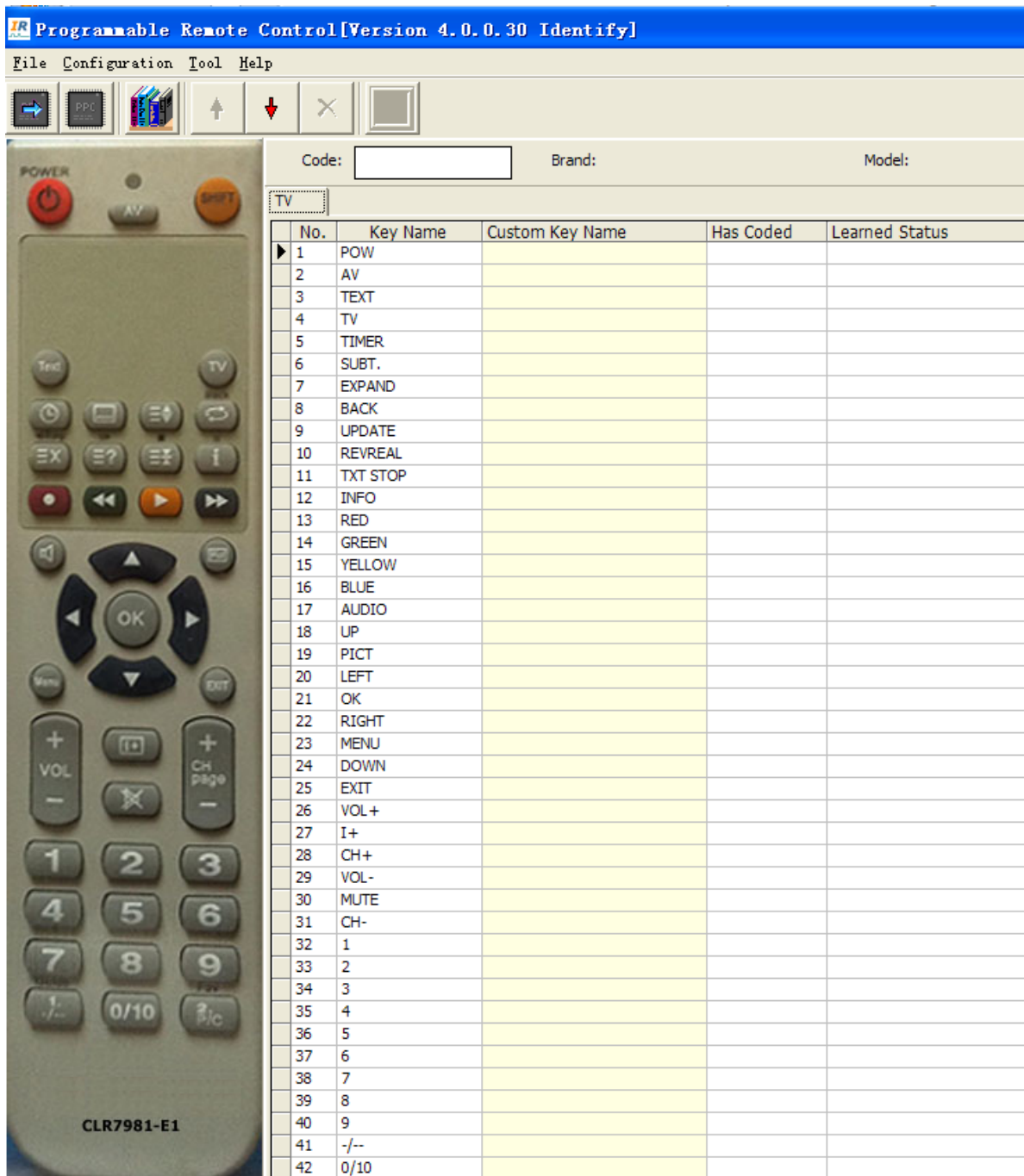
5,Code Program

1) Before program, it should be selected the model of programmable remote control. For V3 version, it has to be selected by hand. Please see below diagram.





For V4 version, it can be identified by software and adjusted to correct model and photo. Please see below diagram.



This is the first display, remote control model is CLR7981-E1, if using CLR7981-E4, after identify, it will display below diagram.

Programmable Remote Control [Version 4.0.0.30 Identify]

File Configuration Tool Help

Code: **66582** Brand: **ACER** Model: **50 - 41189 P 9**

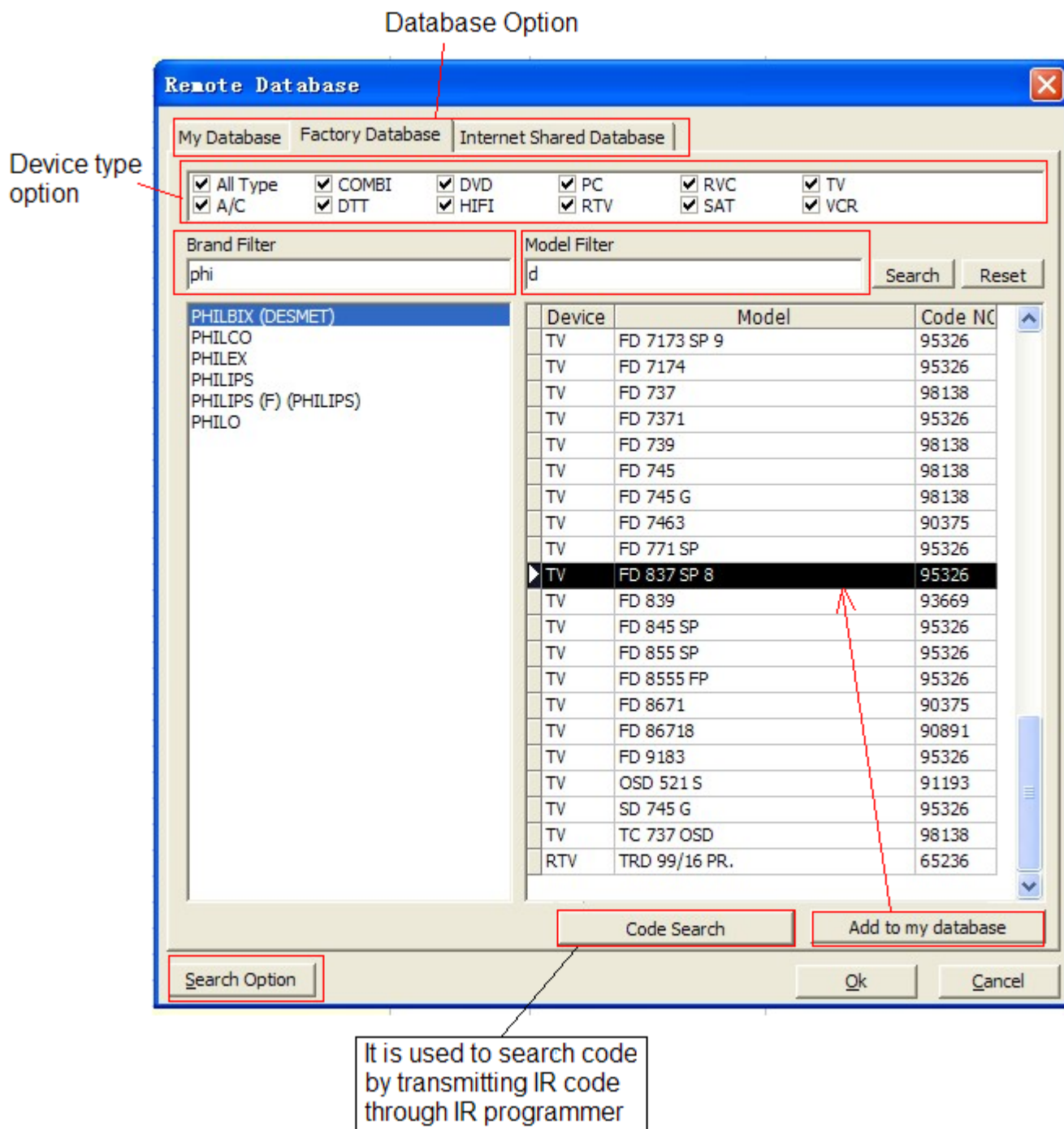
TV VCR/DVD SAT AUX

No.	Key Name	Custom Key Name	Has Coded	Learned Status
1	POW		✓	
2	AV		✓	
3	TEXT		✓	
4	TV		✓	
5	TIMER		✓	
6	SUBT.		✓	
7	EXPAND		✓	
8	BACK		✓	
9	UPDATE		✓	
10	REVRAL		✓	
11	TXT STOP		✓	
12	INFO		✓	
13	RED		✓	
14	GREEN		✓	
15	YELLOW		✓	
16	BLUE		✓	
17	AUDIO		✓	
18	UP		✓	
19	PICT		✓	
20	LEFT		✓	
21	OK		✓	
22	RIGHT		✓	
23	MENU		✓	
24	DOWN		✓	
25	EXIT		✓	
26	VOL+		✓	
27	I+		✓	
28	CH+		✓	
29	VOL-		✓	
30	MUTE		✓	
31	CH-		✓	
32	1		✓	
33	2		✓	
34	3		✓	
35	4		✓	
36	5		✓	
37	6		✓	
38	7		✓	
39	8		✓	

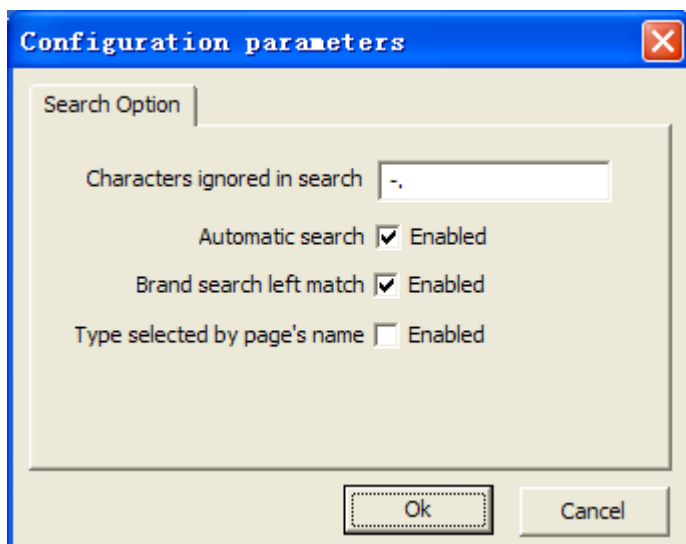
CLR7981-E4

2) Search and select code in database

A) Please see photo 1 and find “Database” menu button, after pressing “Database” button, it appears below photo.



- (1) My Database, Factory Database, Internet Shared Database
- (2) Device type option
- (3) Brand Filter, Model Filter,
The search result is different according to “Search Option”.
- (4) Search Option



-----Characters ignored in search, this is for Brand filter and Model Filter.

-----Automatic search, means the result will change according to the characters entered if “enabled”.

-----Brand search left match, means it is only searched from prefix if “enabled”. If “enabled” is not selected, the entered characters will be searched anywhere.

-----Type selected by page's name,

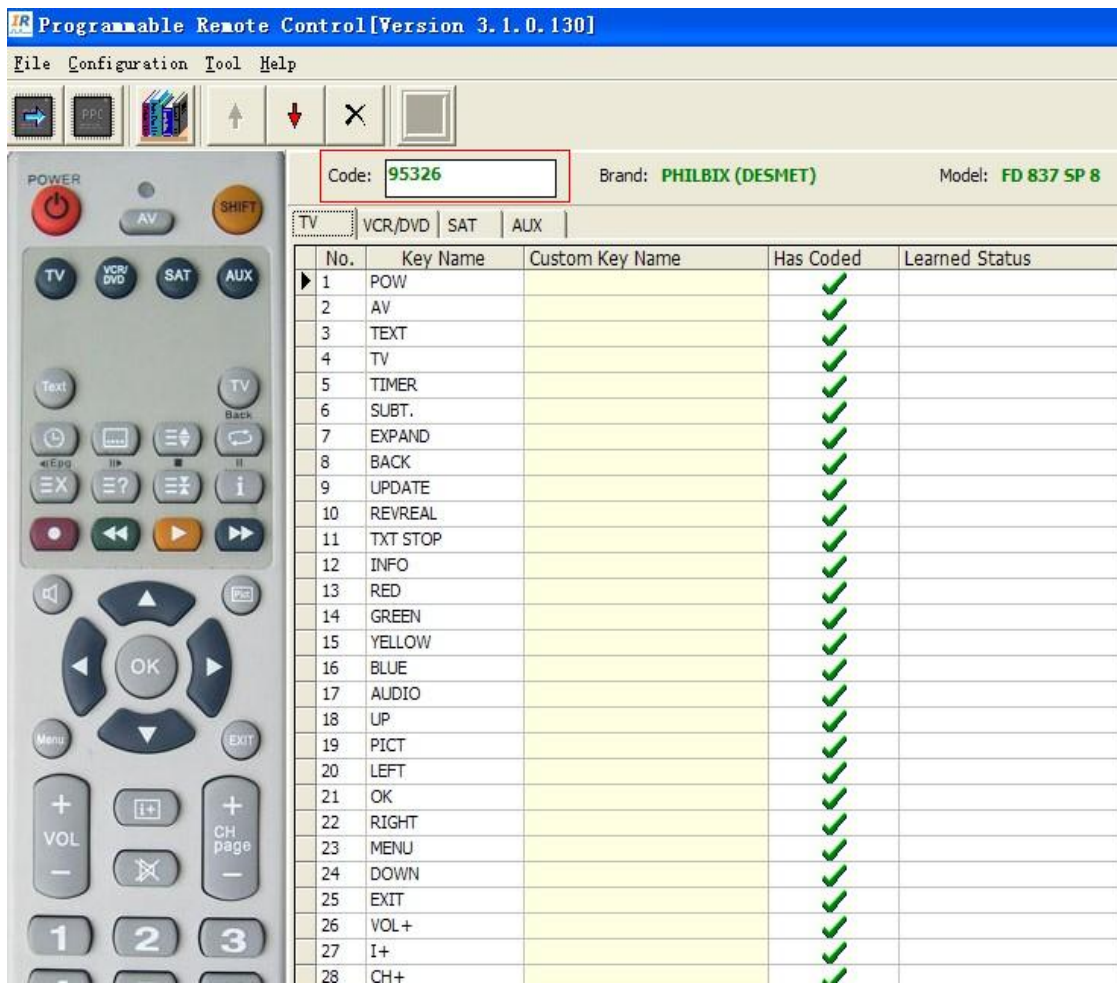
3) Code Search

Please see Item 7, “Code Search”.

A) Add to my database

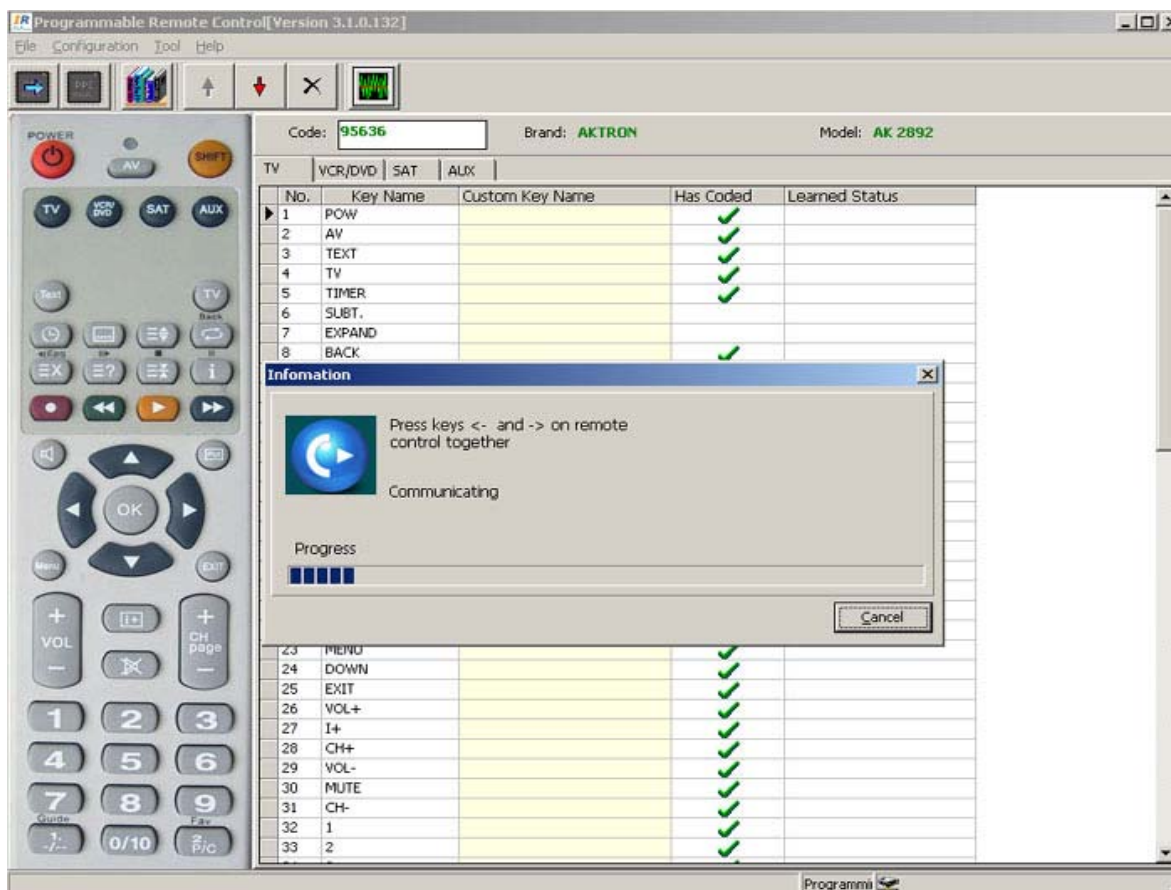
Please refer to Item 6, “Manage database”.


B) Once one of code is selected, you can press OK, then it will appear in the list of “Has coded”, in the meantime, Code number, brand and model name is displayed.



Then select one code for each device bank as shown above, TV, VCR/DVD, SAT and AUX.

C) Program(write)



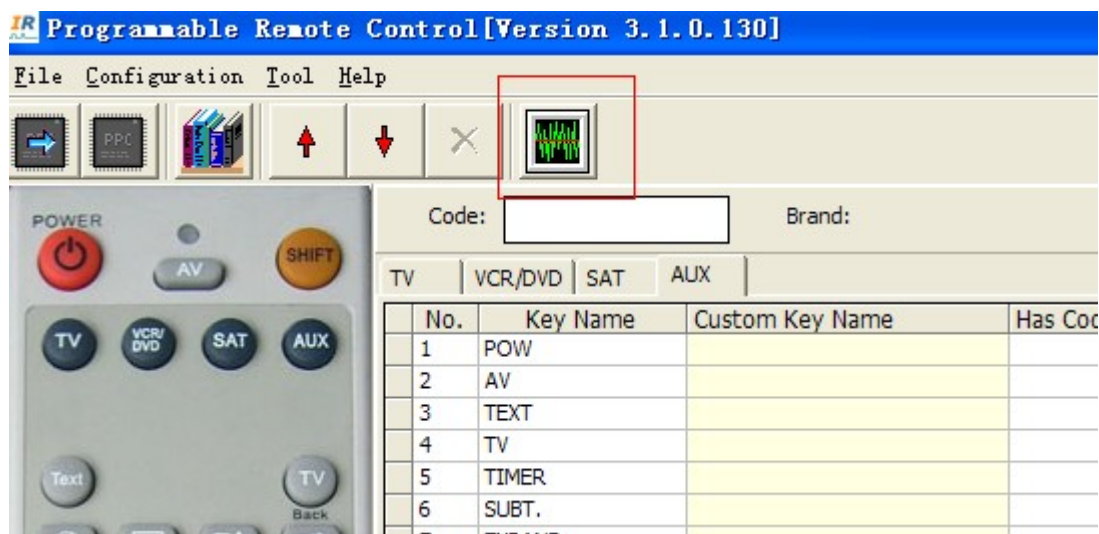
After all codes are decided, press “ Program” menu button, place remote toward the programmer head to head, press “left” and “right” button simultaneously, then appear above photo. After it finishes, program(write) succeed.

4) Search by code number

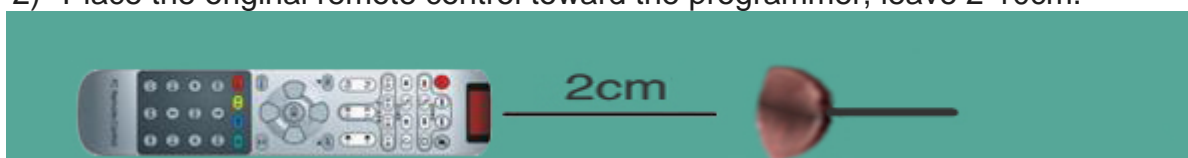
If you remember the code number, you enter the code number, the code will appear in the table immediately.


6, Code Learn

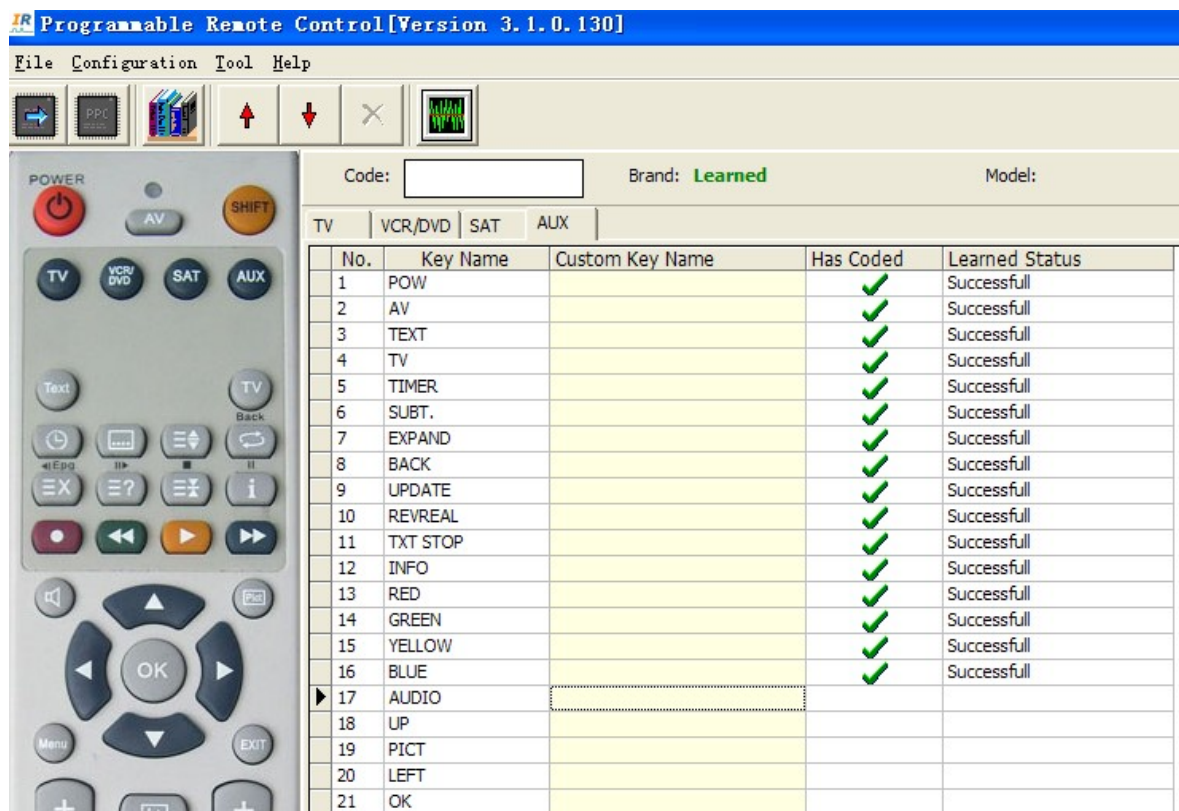
- 1) Press the learning button in software as below.



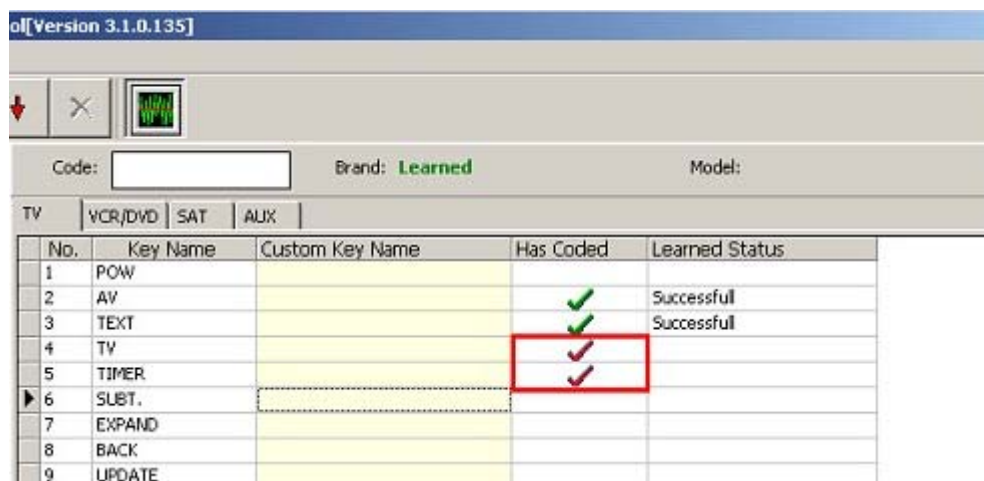
- 2) Place the original remote control toward the programmer, leave 2-10cm.



- 3) Then, place the cursor to the key line you want to learn, then press key. PC receives the IR signal and will display the status of learning result.
- 4) Exit the learning mode: Press , then press a key of original remote control to transmit a IR signal toward the programmer in order to let it to exit the learning mode.

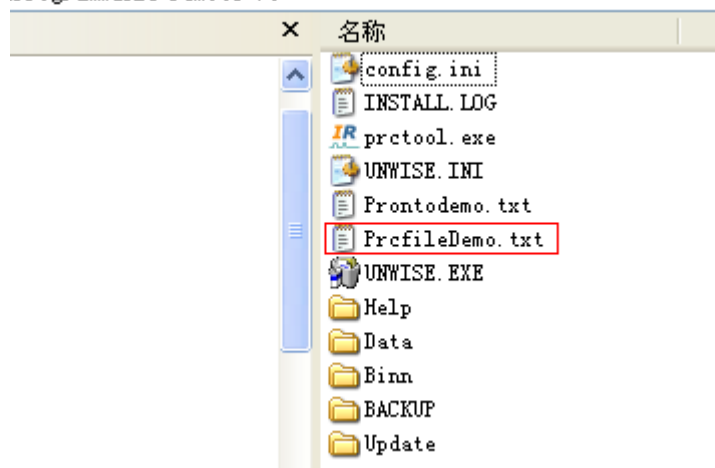


If learning result display below photo, red rectangle, it means the learning is not successful or it is the code that can't be programmed.



The learning result can be output to hard disk. Let us see the sample result in install directory ..\Programmable remote V3 or ..\Programmable remote V4,

Programmable remote V4



Open it, its content is as below photo.

```
FileFormat=PRCTOOL
Remote control describe=:
Device=PC
Brand=UnkownBrand
Model=33
```

Button's counts=4

0,POW=0031 47 0

6,1=0040 47 8

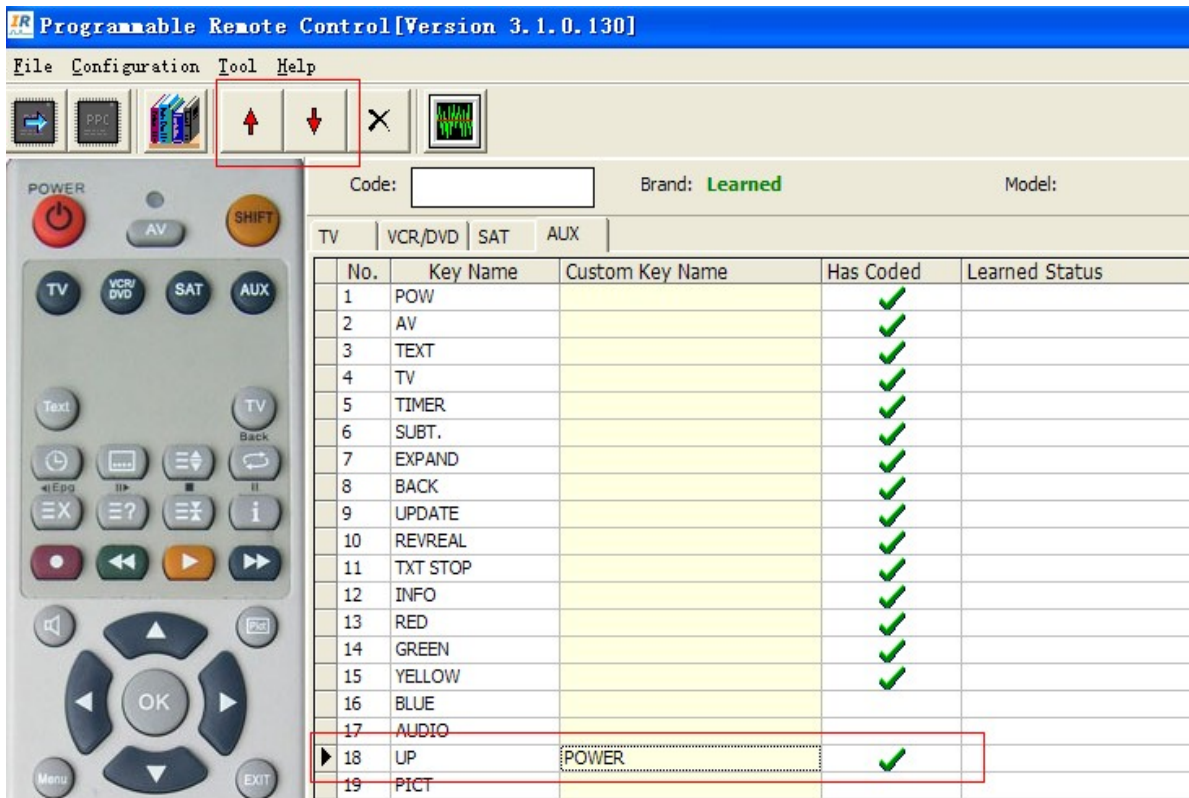
7,2=0040 47 10

```
8,3=A881 001E 0022 0000 00FF 000709 0135 0002EA
0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
0135 0002EA 00FF 000709 0135 0002EA 0135 0002EA
00FF 000709 00FF 000709 0135 0002EA 0135 0002EA
0138 00548A 00FF 000709 00FF 000709 00FF 000709
0135 0002EA 0135 0002EA 0135 0002EA 00FF 000709
0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
0135 0002EA 00FF 000709 00FF 000709 0135 0002EA
0135 0002EA 0138 00548A
```

14,7=0040 47 30

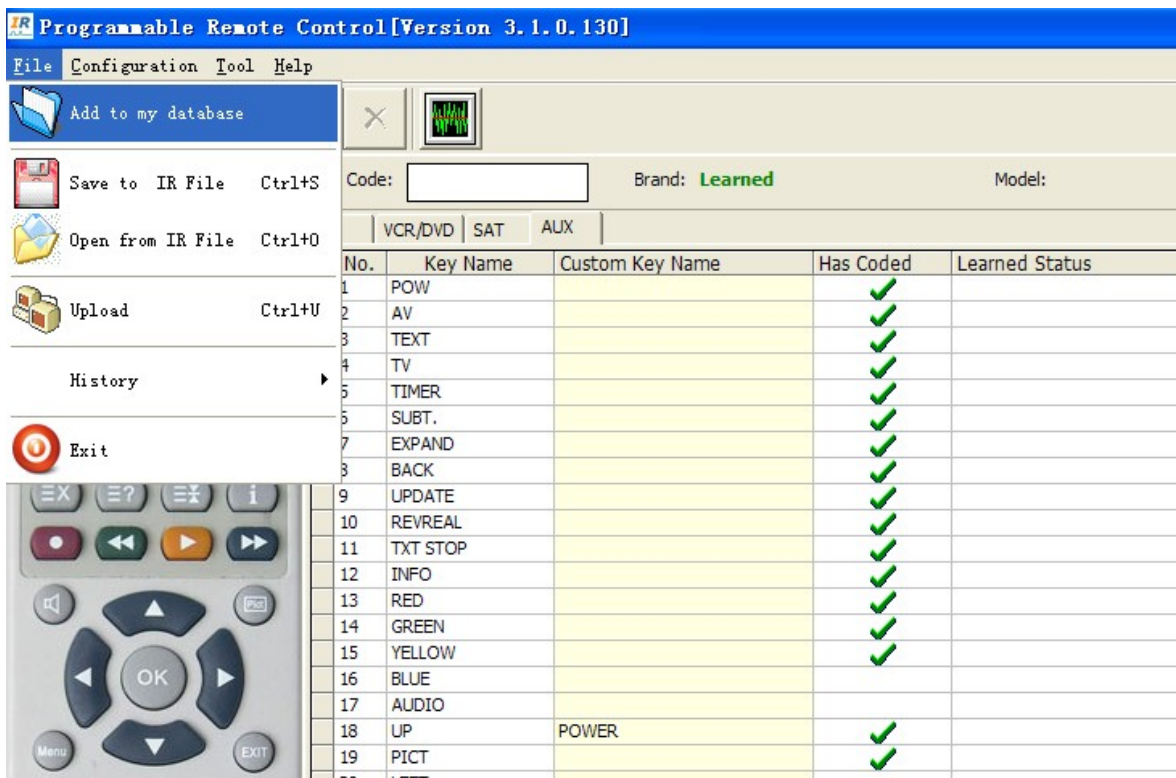
This result in rectangle is a kind of IR wave data, which should be processed then can be programmed into USB remote control. For more detail, please browse supplier's website or remote control data center.

(1) Key code adjust



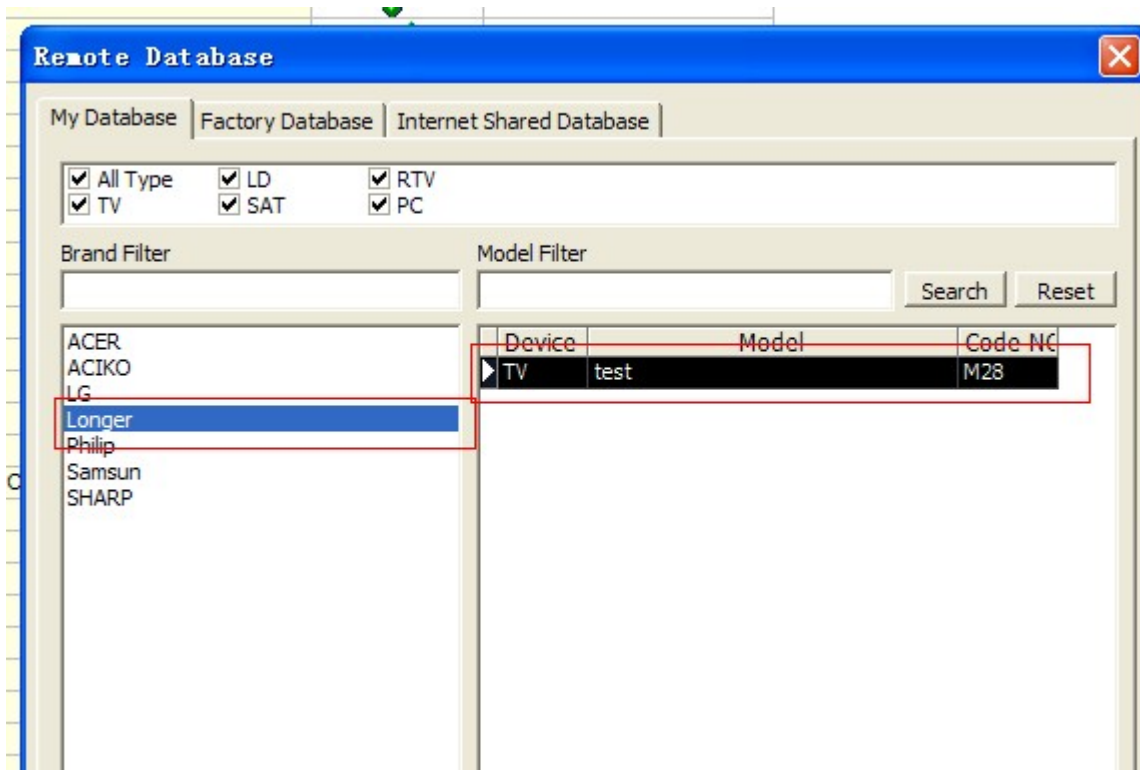
You can add or edit a custom key name, then press "up" and "down" arrow button, that means you adjust the code position.

(2) Store to my database

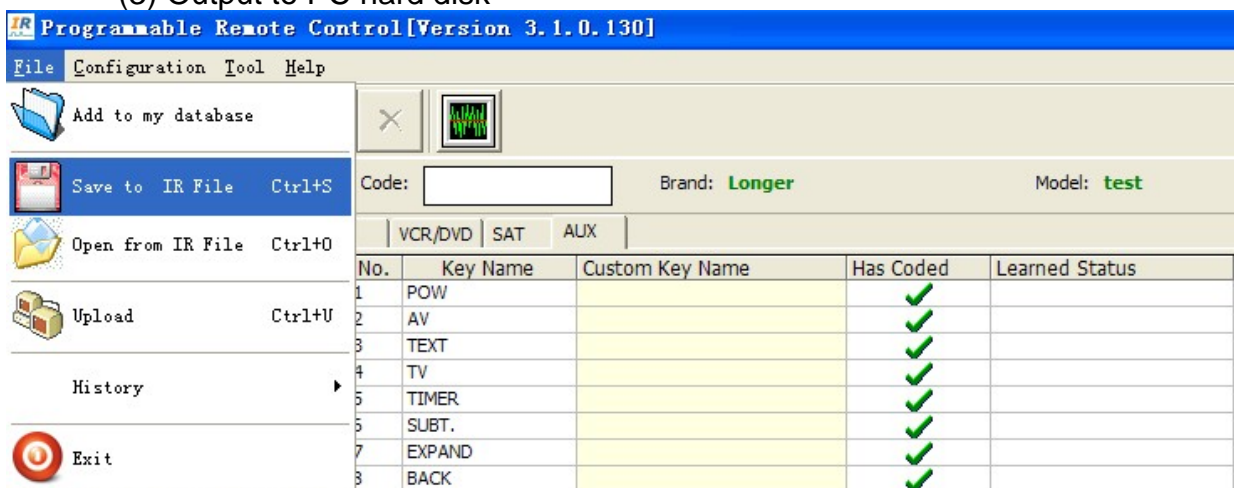


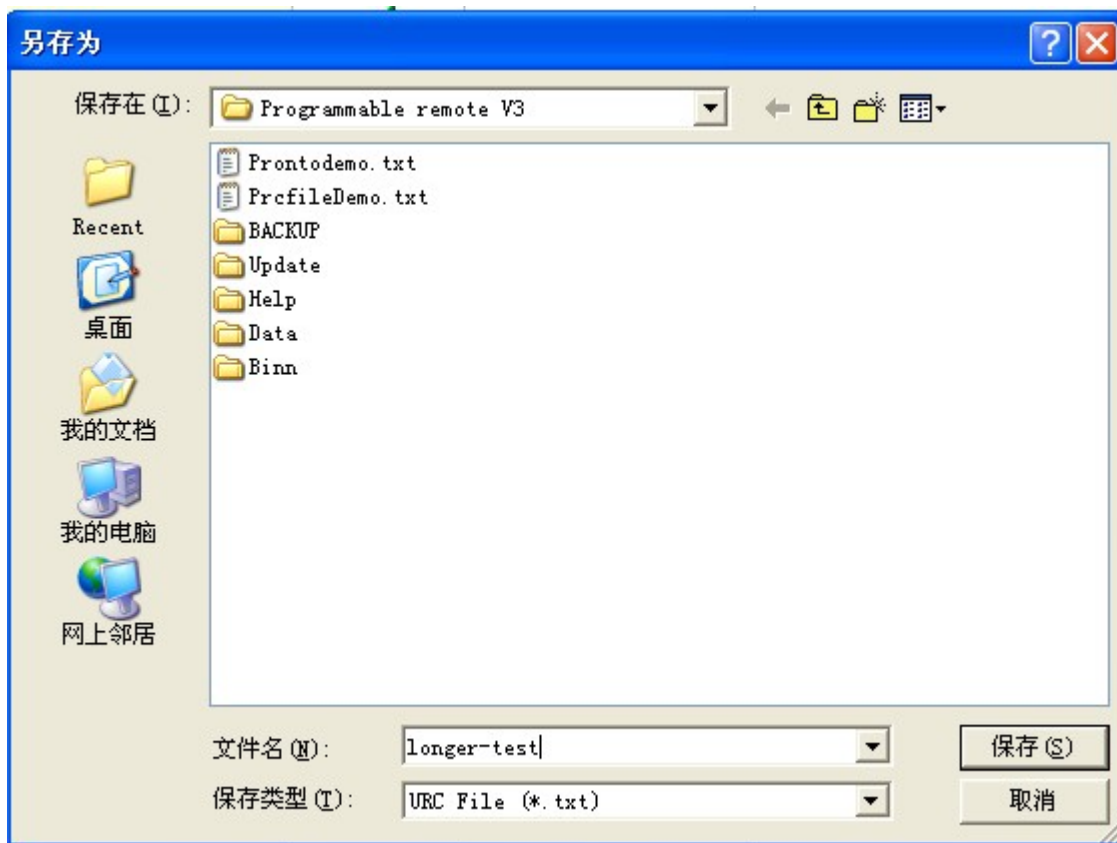


Then, we can find this code record in "My database" as below.



(3) Output to PC hard disk





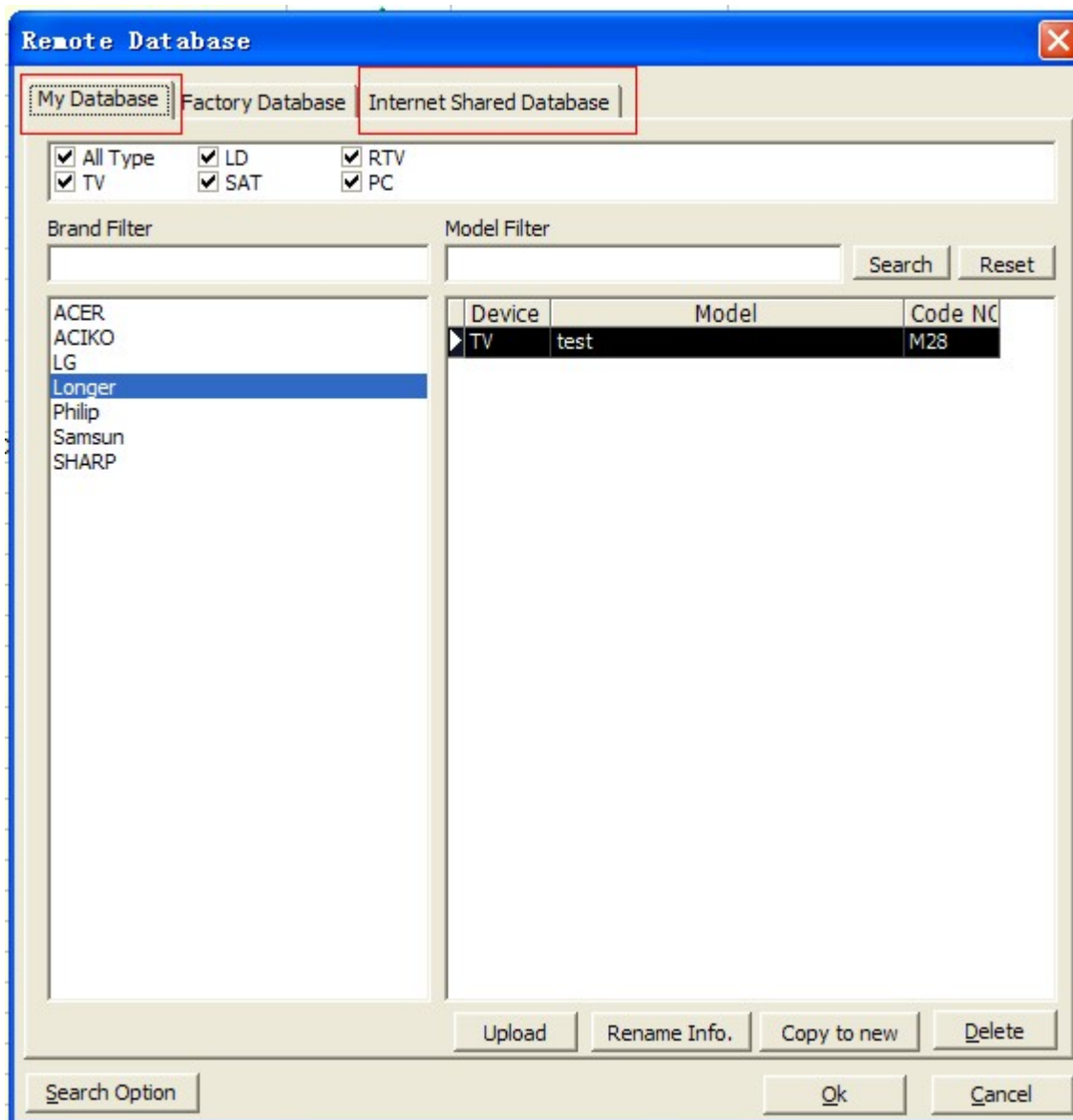
Then you can find the Longer-test.txt file in haddisk. Let's open this txt file, we can see as below.

```
longer-test.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
FileFormat=PRCTOOL
Remote control describe=:
  Device=TV
  Brand=Longer
  Model=test

Button's counts=17
0,=0051 0 FF 13
1,=0051 0 FF 12
2,=0051 0 FF 19
3,=0051 0 FF 12
4,=0051 0 FF E
5,=0051 0 FF 14
6,=0051 0 FF 6
7,=0051 0 FF 7
8,=0051 0 FF A
9,=0051 0 FF C
10,=0051 0 FF E
11,=0051 0 FF E
12,=0051 0 FF E
13,=0051 0 FF F
14,=0051 0 FF 13
17,POWER=0051 0 FF 10
18,=0051 0 FF 16
```


7, Manage database

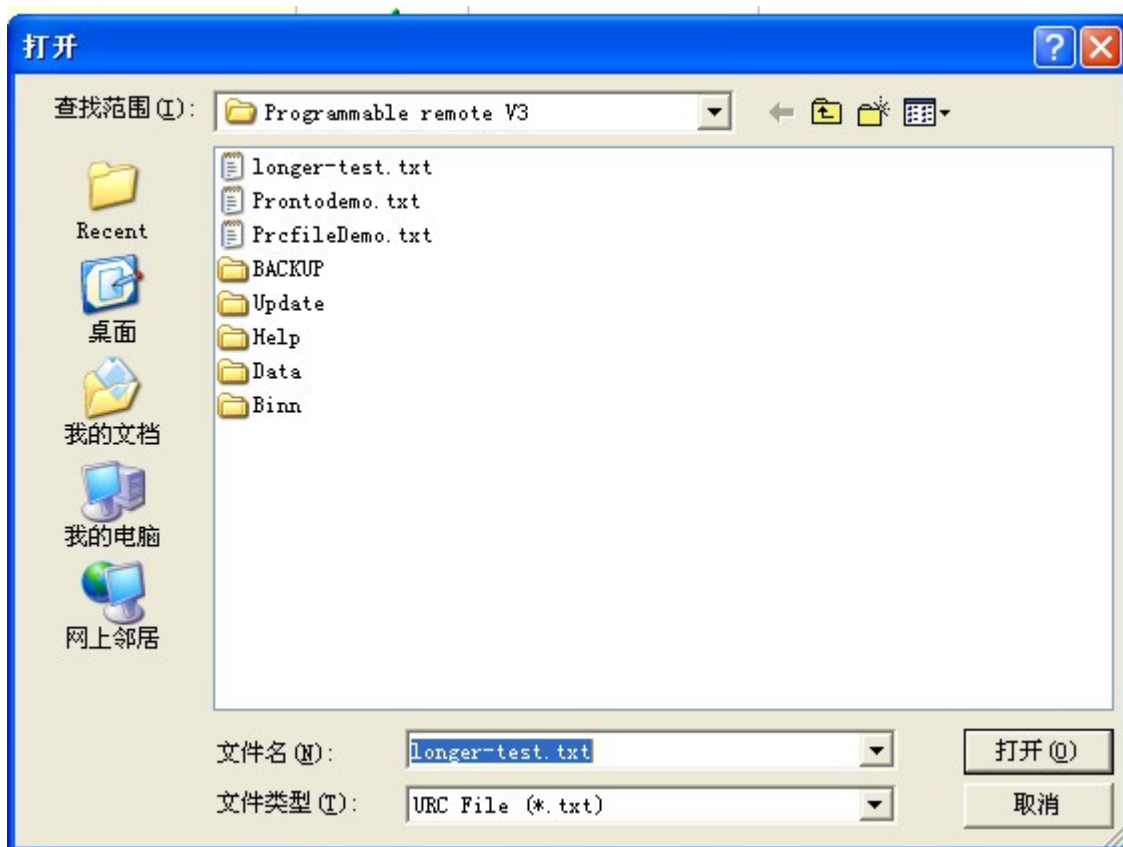
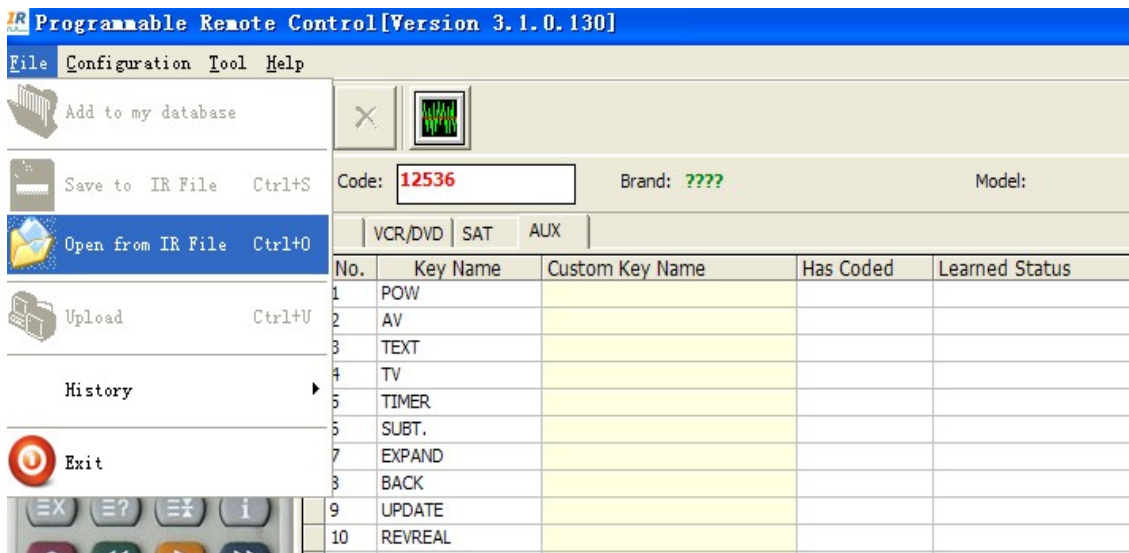
- 1) The code info in My database and "Internet shared database" can be added, deleted, imported/outputted. It lets the VIP user setup own database.



- 2) My database

2.1) New code in my database can be imported from PC file, "Factory database", "Internet shared database" and learning code.

A. Open from IR file



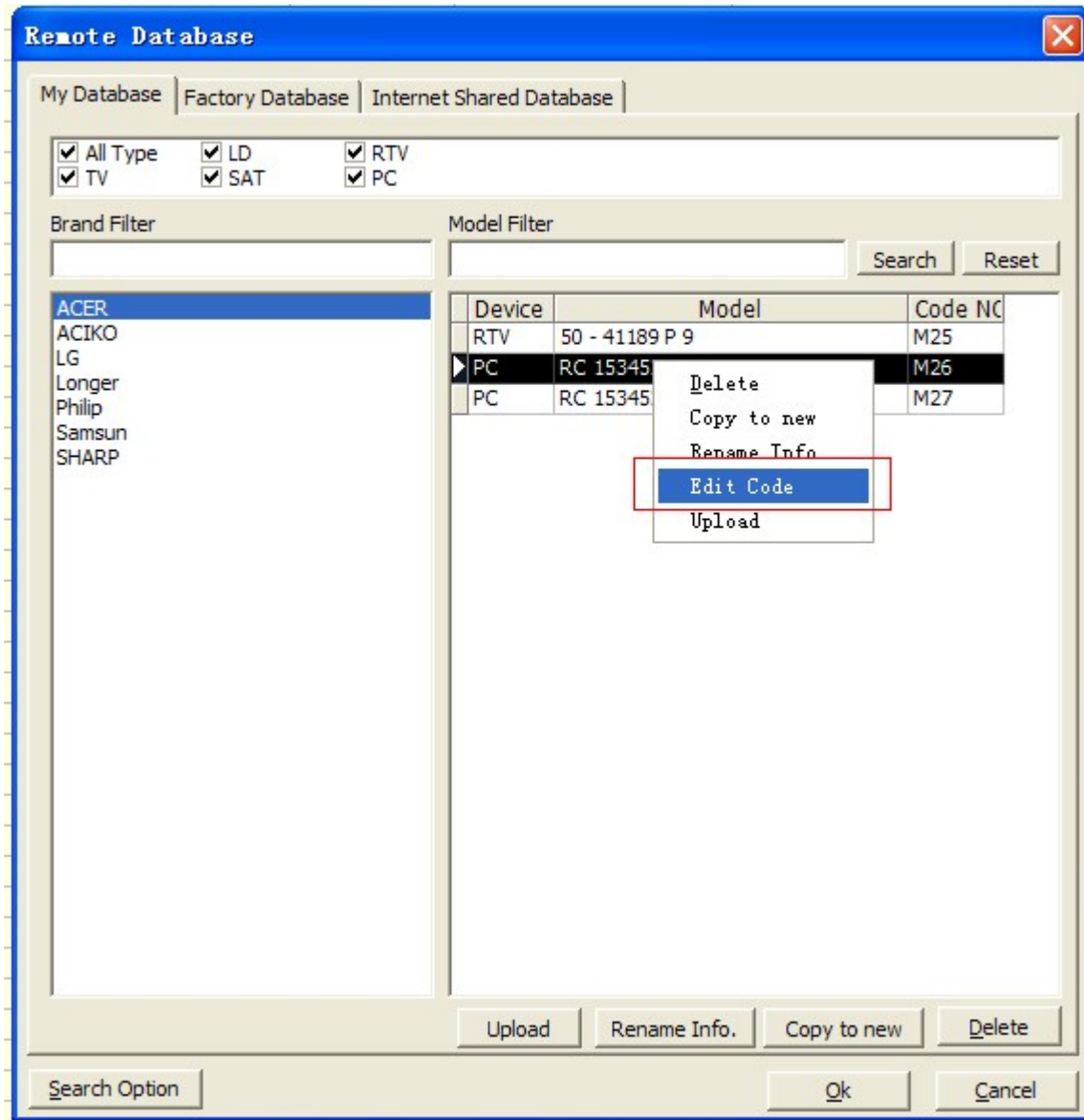
- B. Add to my database from "Factory database", "Internet shared database" and learning code
- C. Code learn
Refer to item 5 "Code learn" to learn how to get a code by learning.

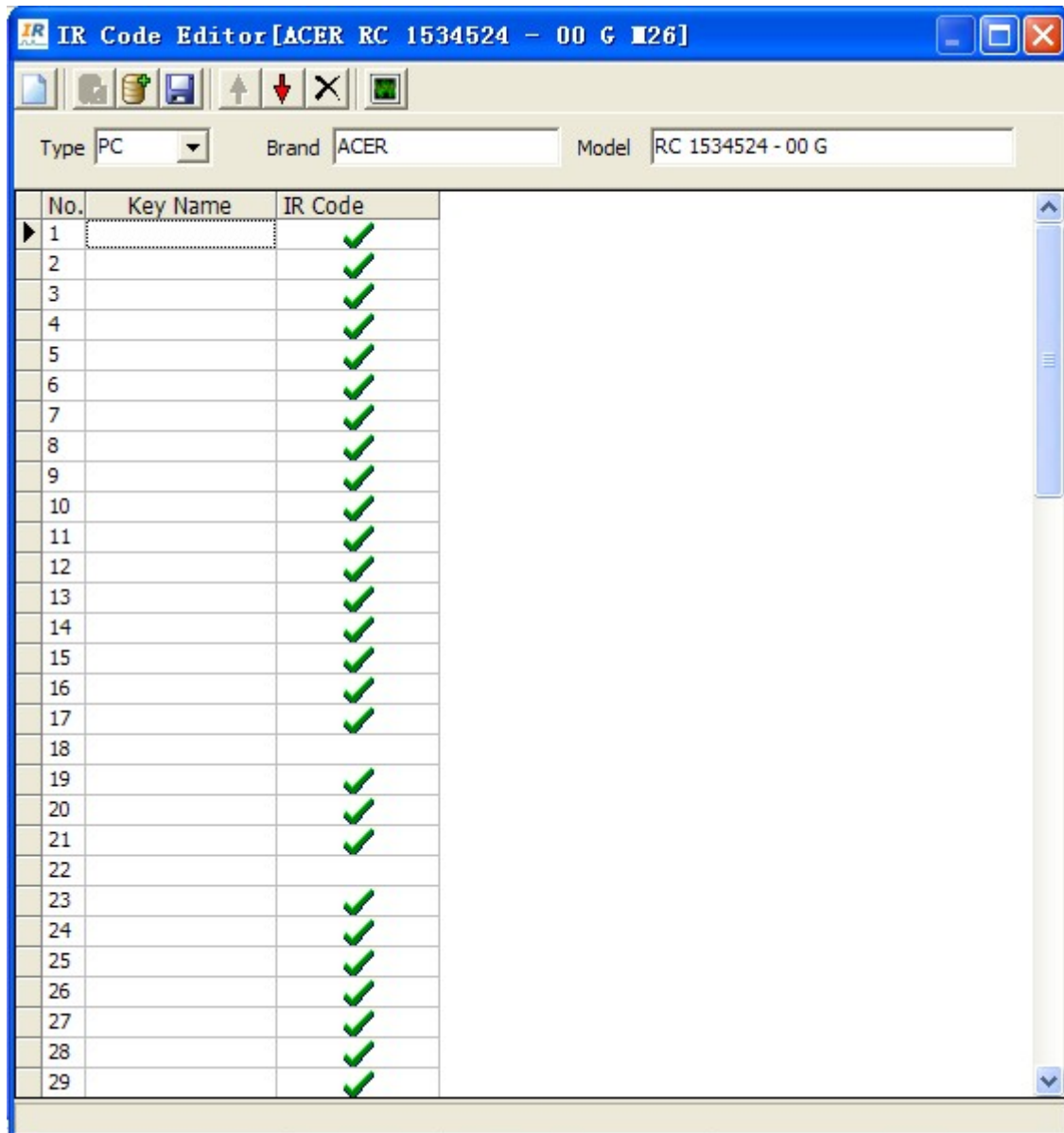
2.2) Edit the code in "My Database"

Select one code as below photo, click right button of Mouse, it appears below option.


- A. Delete

- B. Copy to new
- C. Rename Info
- D. Edit Code
- E. Upload



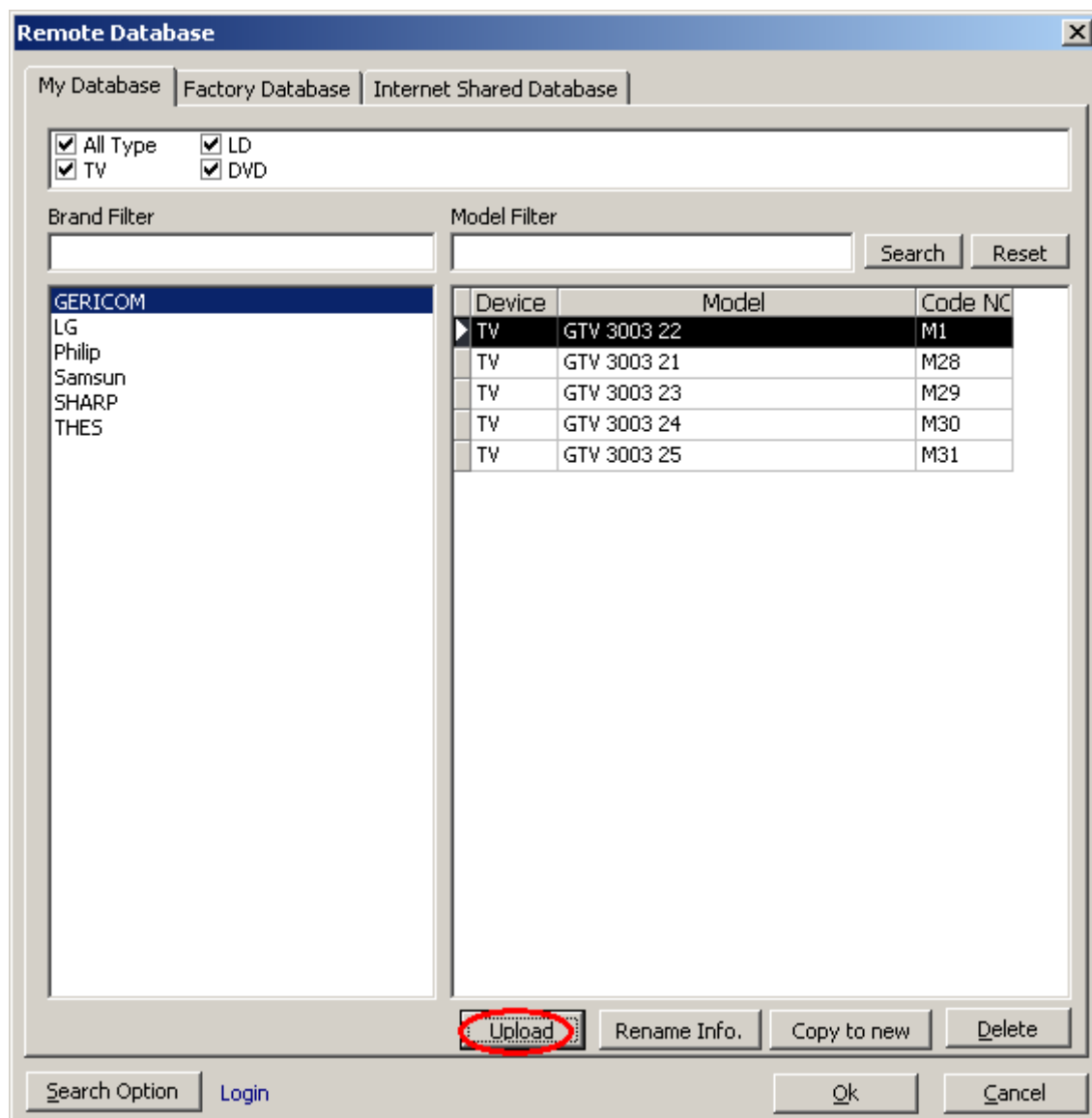


There are below functions to edit code.

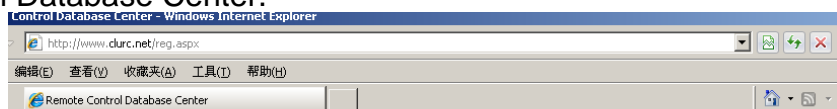
- A. Save into my database
- B. add to my database
- C.  save to IR file
- D.  adjust up
- E.  adjust down
- F.  delete

3) Internet Shared Database

In My database, any code can be upload to server.



When uploading, it needs user to login. You can register in www.clurc.net, which is Remote Control Database Center.




Remote Control
Database Center

Email: Please enter your e-mail commonly used to activate your memr

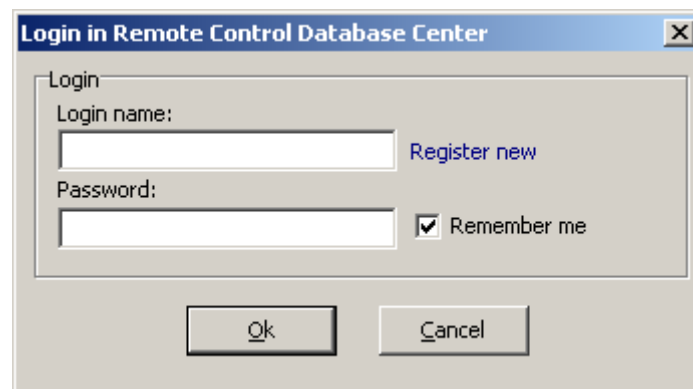
UserName: 5-15 characters (only letters, digits and underline "_" allow)

Password: 6-16 characters (&%;()->+ not allowed), case sensitive

Confirm: Please enter the password of above.

Verify Code: 

After you register, you can login to upload the data code.

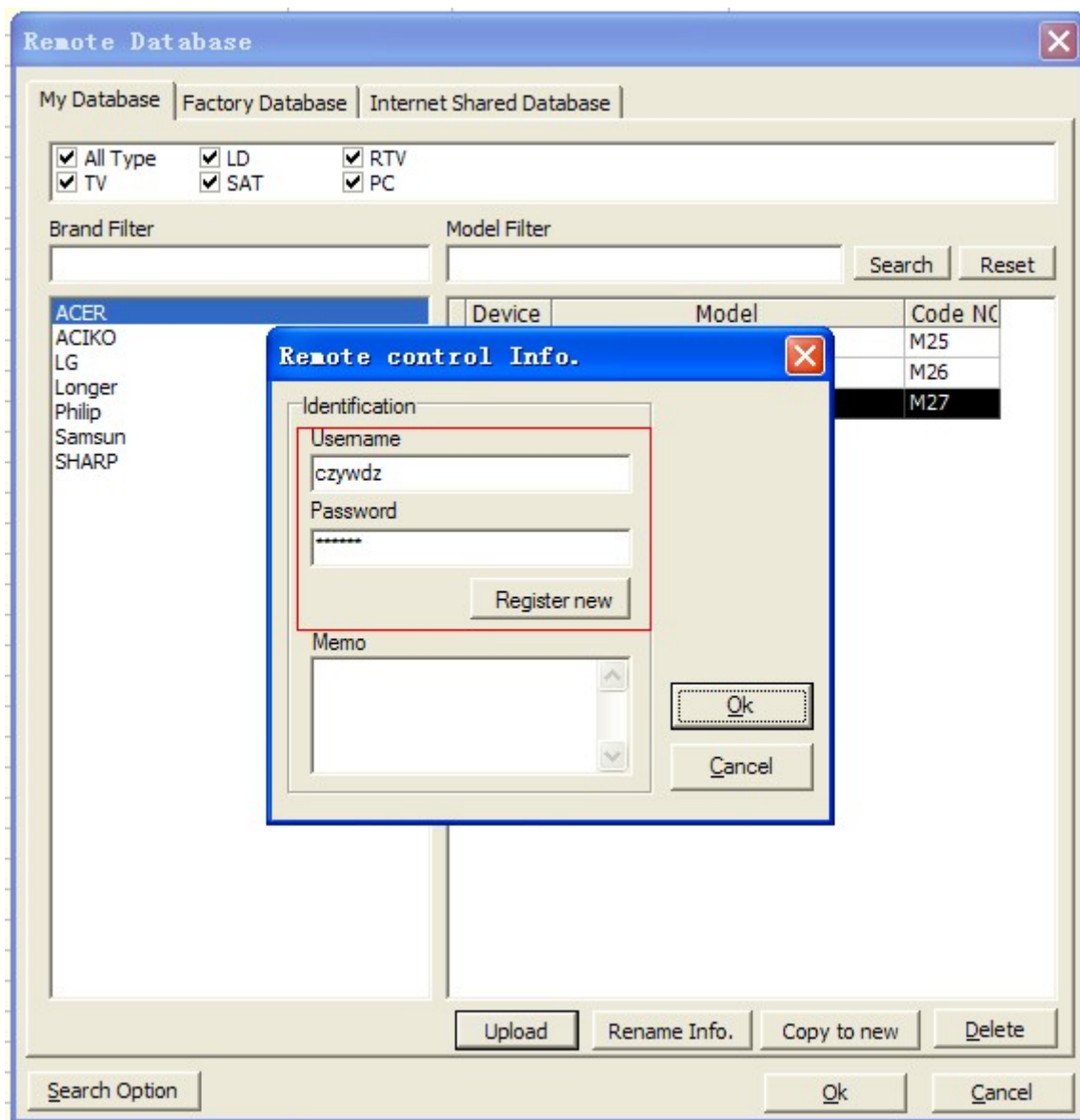


Login in Remote Control Database Center

Login

Login name: [Register new](#)

Password: ☒ Remember me



Remote Database

My Database | Factory Database | Internet Shared Database

☒ All Type ☒ LD ☒ RTV
☒ TV ☒ SAT ☒ PC

Brand Filter: Model Filter:

ACER	Device	Model	Code NC
ACIKO			M25
LG			M26
Longer			M27
Philip			
Samsun			
SHARP			

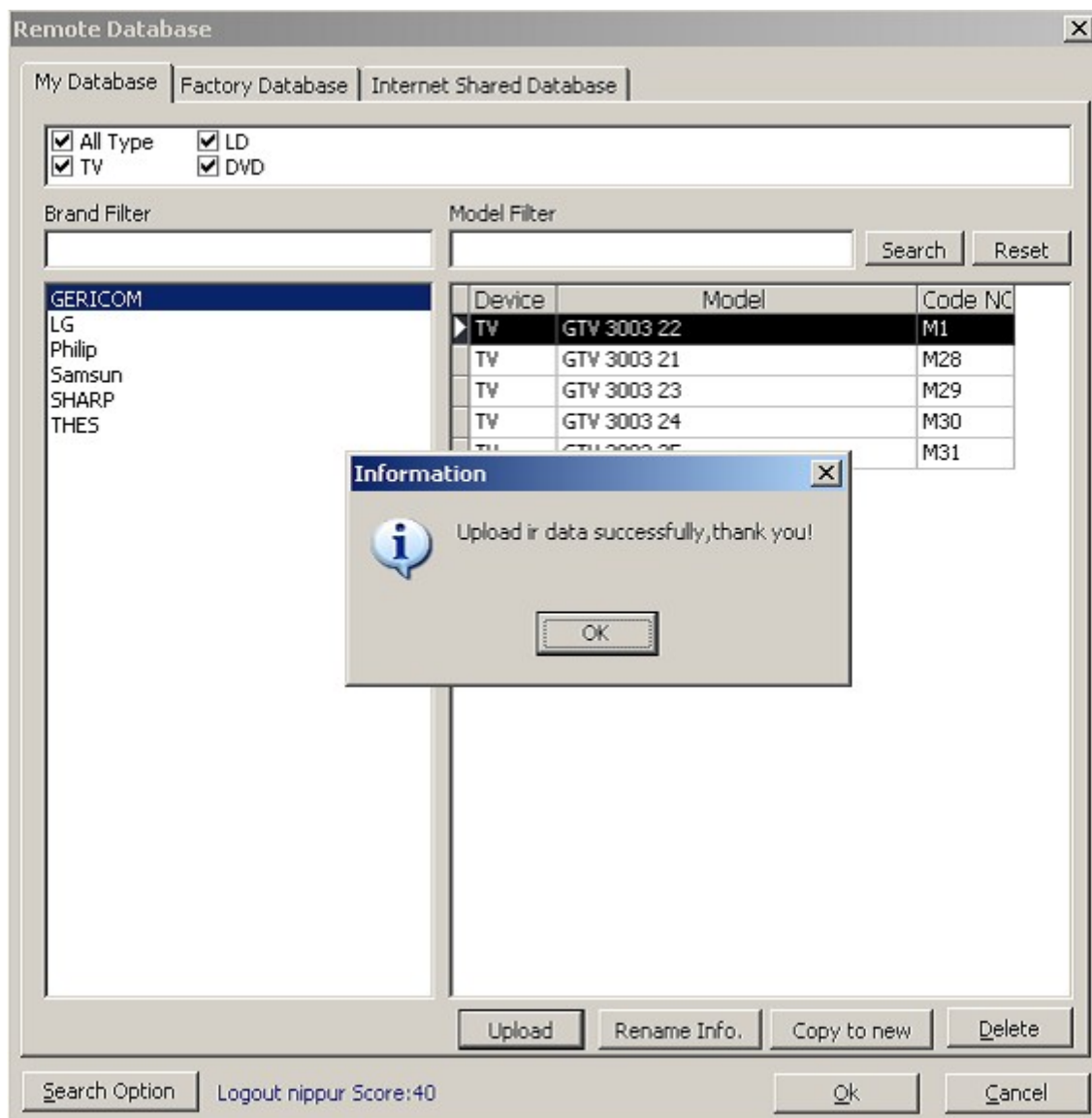
Remote control Info.

Identification

Username:

Password:

Memo:

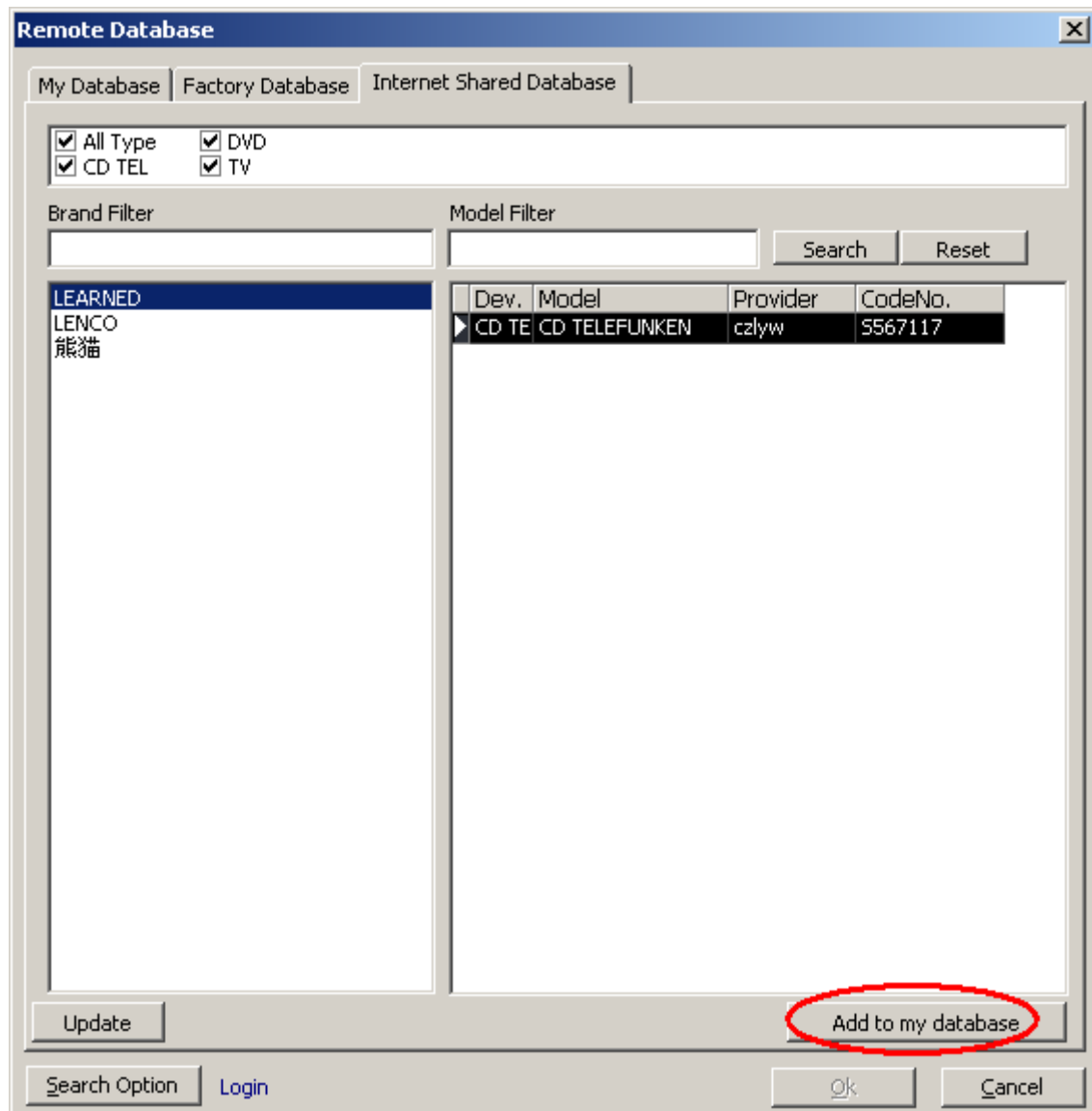


After uploading the IR code, it will be shown in "Internet shared database". In the meantime, it will appear in the upload database of website www.clurc.net.

When the "Internet shared database" is opened each time, software will try to connect to web server.



After connecting the server, then the new code info in the web server will be displayed in the software. But it can't be used to program directly. You have to "Add to my database", then it can be used to program.



8, Code search

If you only know device type (TV,DVD,...), don't know brand name, model name, you can use this function to search the code. When you meet a device, you are not able to find its remote or replacement, please try this function, maybe it can help you.

How to use this function?

It is very simple. The IR programmer (Model No. must be CLR7090 and others, but it is not CLR7088X) can be used to transmit IR codes to control device. Please see below photo which is used in PC-BASED remote control.



There are 3 kinds of code search function. Key code search, transmitting search and learning search.

1) Key code search

It can be used to search the database to match selected or assigned remote control. See photo below.

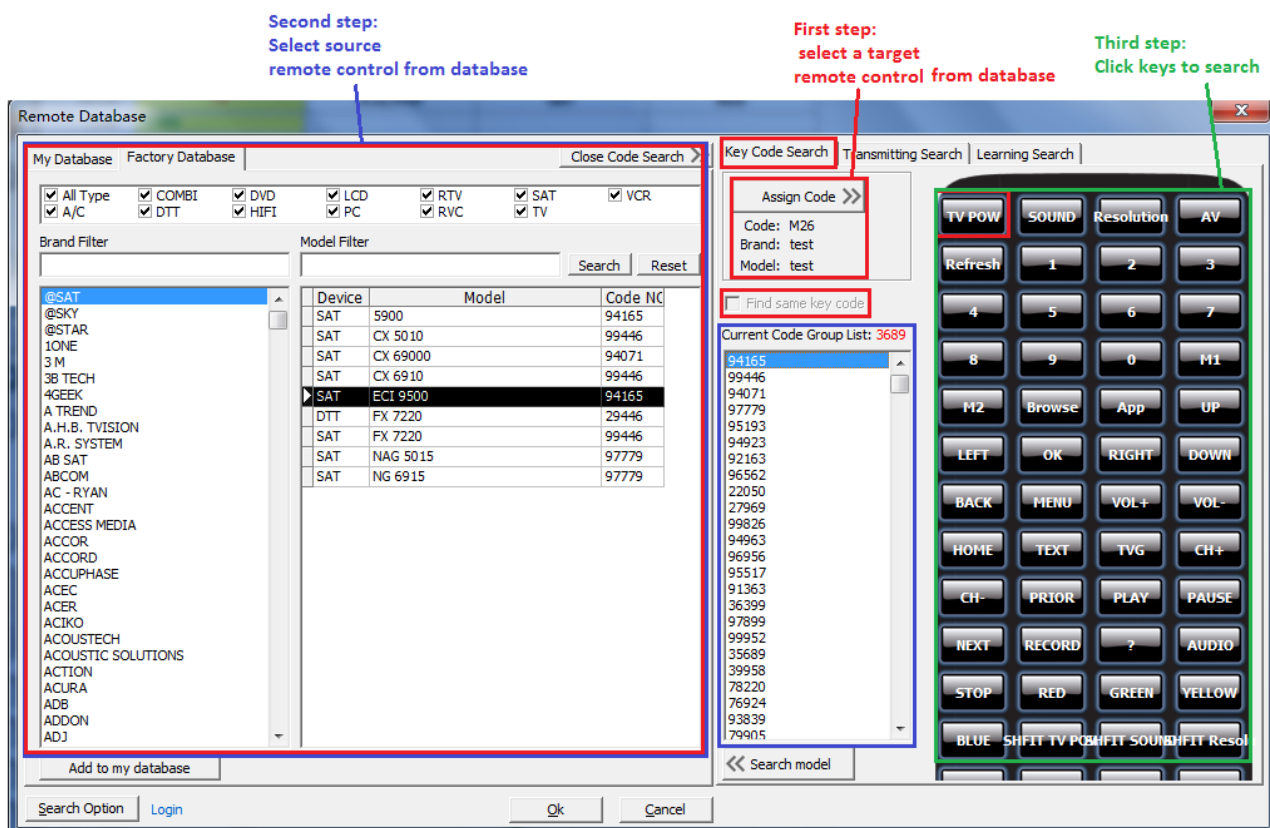
First step: select a target remote control from "my database" or "system database".

Then click "Assign code" to select this code to right remote control map.

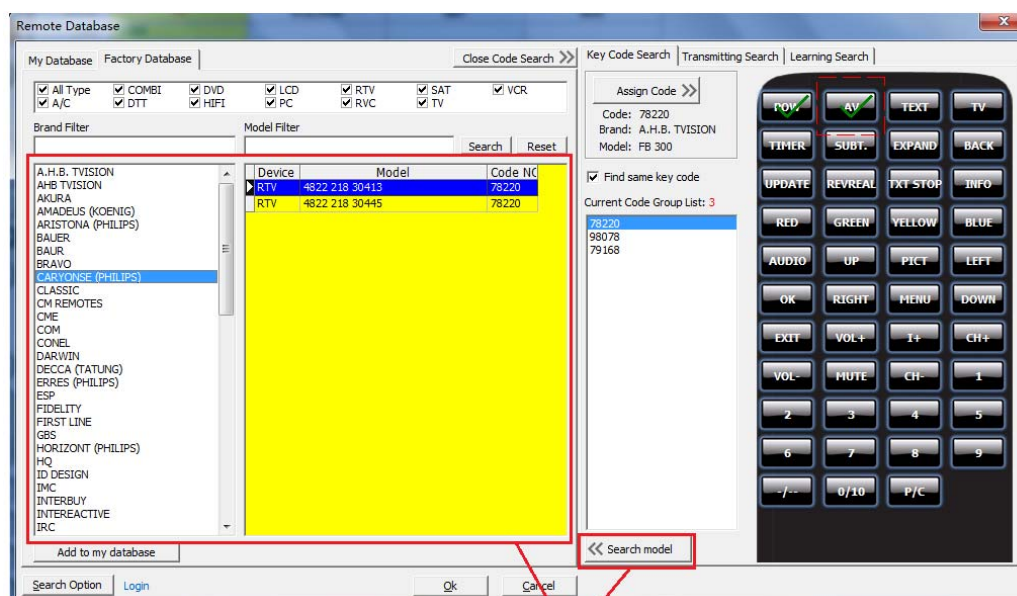
Second step: select source remote control range from "my database" or "system database". You can enter key words of brand or model to limit the range. After selecting, the searched key code number will appear in "Current Code Group List: ". The quantity display beside.

Third step: Click the key in right remote control map and double click to search the key to

match in the code range in " Current Code Group List ". The searching result also displayed in this list.

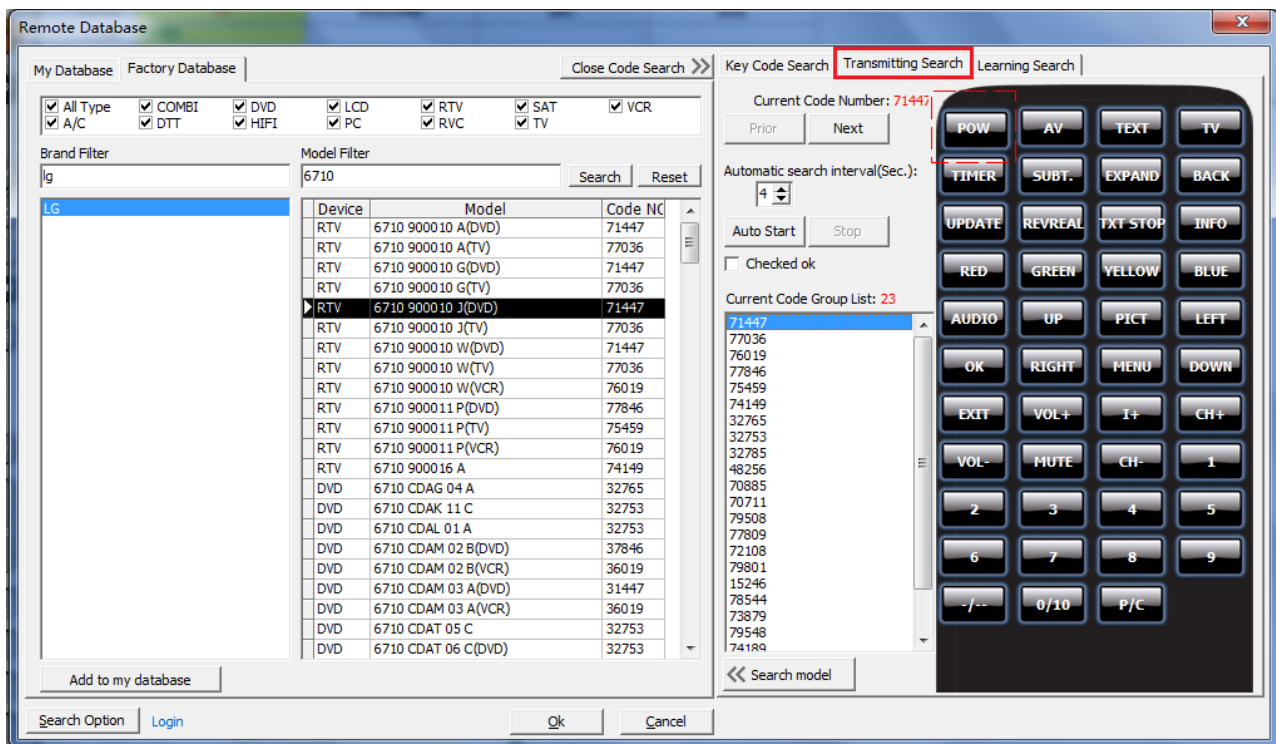


Fourth step: After finding the correct code by click to search key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".



2) Transmitting search

Search the code by transmitting key code in database from PC directly. See below photo.



First step: select the source remote control range. For example, enter "LG" brand and "6710" model key words. The result is listed. In the meantime, the code numbers of these remote control are listed in "Current Code Group List". The first code number of remote control key name is displayed in right remote control map.

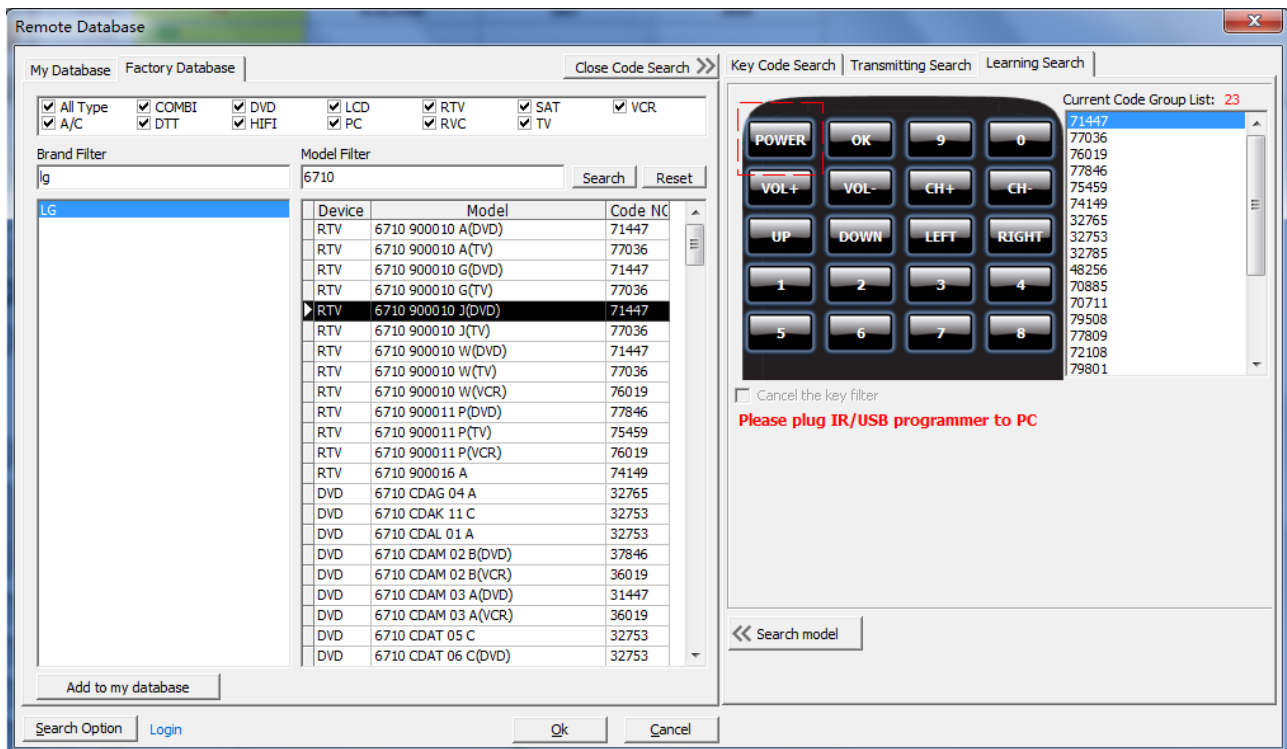
Second step: Click one key name to select the key to transmit key code by IR programmer directly.(It must be CLR7090). Before transmitting, the device has to be prepared and power on. IR programmer has to be put toward the device. If the device can be controlled, try other keys. If the device isn't controlled, try next code number by clicking "Next" button or "Start" button to transmit IR codes automatically. When the device is controlled, click "Stop" button to stop the auto transmitting.(Setup the interval time between 2 codes, 4-9 seconds).

After finding one code number with the selected key name, select "Checked OK". Then select other key name to repeat this second step.

Third step: After finding the correct code key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".

3) Learning search

Search the code in database by learning. See below photo.



First step: select the source remote control range. For example, enter "LG" brand and "6710" model key words. The result is listed. In the meantime, the code numbers of these remote control are listed in "Current Code Group List". The first code number of remote control key name is displayed in left remote control map.

Second step: Click one key name to select the key to be matched or searched. Put the other remote control toward the IR programmer in direct line, leaving 2-10CM. Press the key of other remote control with the same key name as the remote control map. The learning search result is listed in "Current Code Group List". After one key learning search, repeat this second step to search other key.

Third step: After finding the correct code key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".

9, How to find the codes inside or outside the database?(professional version)

Normally, distributors or retailers often meet below problems.

- 1) You can't find the device brand or model number in the database.
- 2) Only know the device brand, but DON'T know the model number.
- 3) Only know DEVICE type (TV, DVD...), DON'T know brand and model number.
- 4) Some key codes that you find in the database are lack.

Solution 1:

- 1) Please refer to Item 7,"Code Search".
- 2) In order to use "Code Search", you have to prepare the device which remote codes have to be looked for.
- 3) Place programmer or USB remote toward to the device.
- 4) Use the "Code Search" function in software till you find the codes.
- 5) After you find one key code can control your device, maybe its key name is different from the function. Then you can test other key if they can control the device.
- 6) If you use cable mode programmable remote software, you also can see the IR code protocol and key data. You can edit the key data to test your device.
- 7) After you find the code, you can add it into "My database", then adjust the key position to correct function. In the meantime, adjusting brand name, model name and so on.

(Note: For IR mode and USB programmable remote software, the reason that we don't open the protocol details is that the protocol quantity is too many and many protocols are too complicated. If you are interested in researching it, please write to us or login to forum.)

Solution 2:

- 1) Use one universal remote control to search it, or you can find the code in other brand of programmable remote.
- 2) If you can find one key or some keys which can control your device, then you can learn these key code into programmable remote software.
- 3) Open the code file from "My database" and edit it.
- 4) Then program(write) to programmable remote and test it.

Solution 3:

- 1) Search the code in website, such as www.remotecentral.com, www.hifi-remote.com and other website or forum.
- 2) If you can find the code in website, you can try to get its protocol, key data.

Solution 3:

Look for the support of original device company.

Appendix:

Remote code source: (Only for reference)

- ORIGINAL REMOTE CONTROL
- Other brand of PC PROGRAMMABLE REMOTE CONTROL
- Universal Remote Control
- Other brand of PC programmable control:

- UEI series
- Philips series
- Logitech Harmony series
- VISA
- Pilot
- CME
- G.B.S.
- Ruwido

10,Some useful skills

1) Reset to factory setting

Fill in “test” in the brackets, then program to remote control.

2) Test if the programmed code into remote is correct.

In order to test if the remote is fine, please follow below instruction.

(a) Reset to factory setting

(b) Restart software and make sure the key table is blank.

(c) Use “Code Learn”(Item 5) to learn each key code to key table.

(d) Save to IR file. Refer to Item 5-5) output to PC hard disk. Name its file to be “Test-new.txt”

(e) Identify (Read) the remote code, or save “Test” code into PC file, also name it to be “Test.txt”.

(f) open “text.txt” and “Text-new.txt”, compare its content, check if the key codes inside is same.

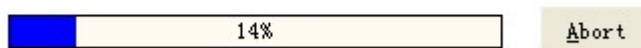
(Note: Above is only an example. User can use other codes to test and compare. This method is either to test remote control, or to test the content inside the remote)

11, Others

1) Updating



Updating database...



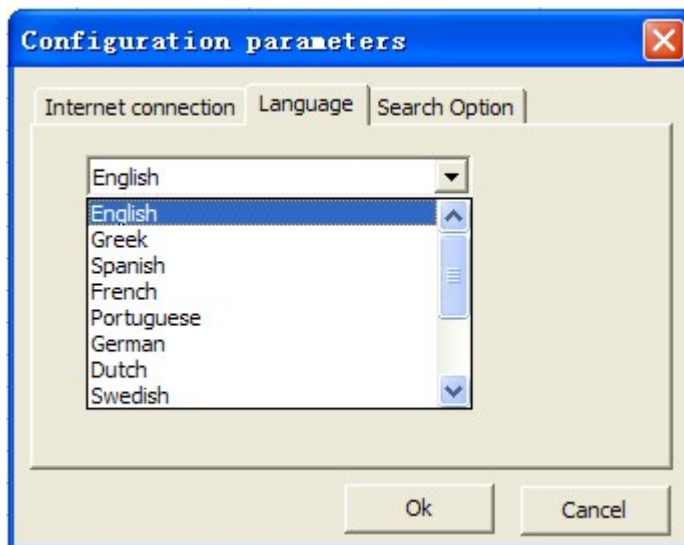
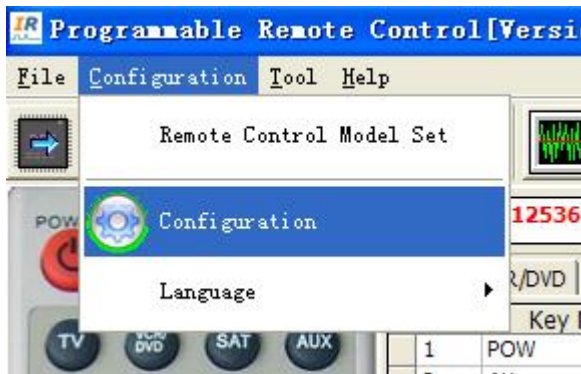
2) About





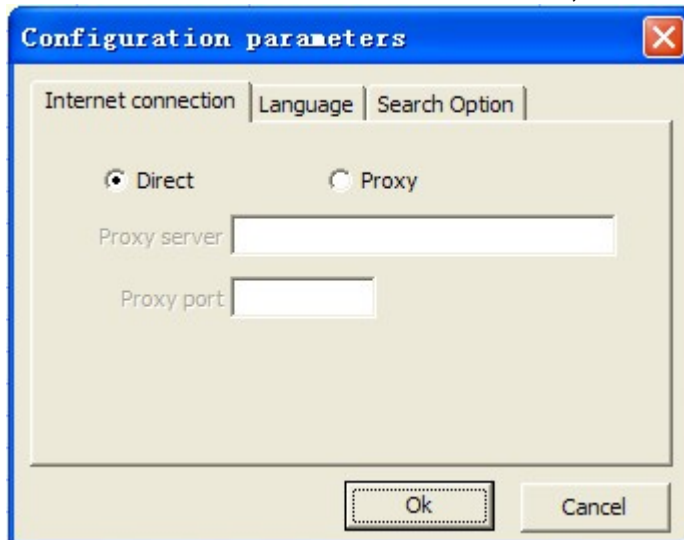
3) Language



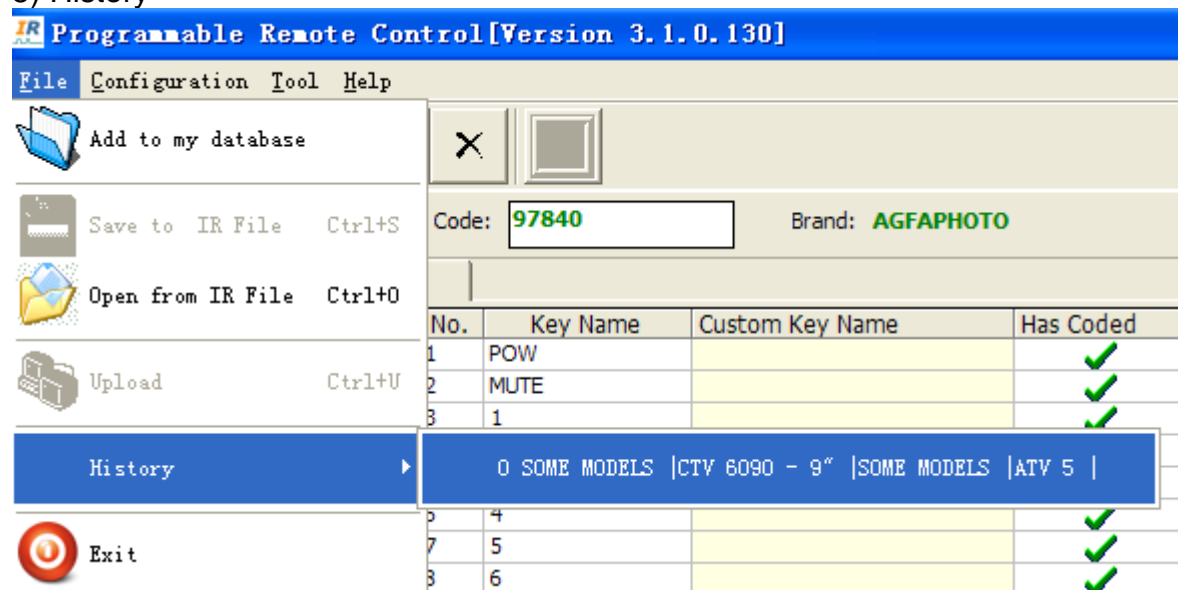


4) Internet proxy setting

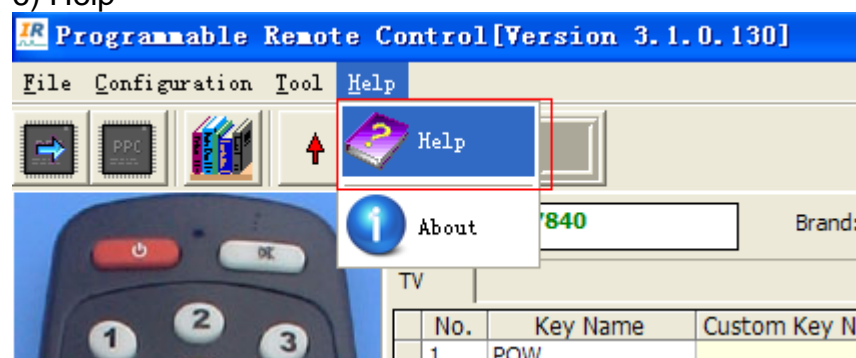
Only when updating, PC is needed to connect internet. If no proxy is set, it uses direct mode to connect web server. Otherwise, it needs to be set proxy parameter.



5) History



6) Help



12, FAQ

1) How to test the remote control to be fine?

Answer: (1) If installing 2pcs AAA battery correctly, the LED of remote control will flash once. That means this remote initializes well.

Refer to item 9.2.

2) Why doesn't the LED flash when pressing some keys?

Answer: It is correct, because there is no key codes in some keys.

3) Why does the programmer flash continuously?

Answer: It is normal.

4) How to get more support?

Answer: Please contact your direct supplier.

13, Customization(professional version)

1) How to customize the remote and software?

Please refer to *Explanation of customized remote and software*.

2) How to setup own website and support customers?

First, you have to apply a domain name, such as www.google.com, and web server storage.

Second, you design a website or forum. Place the customized software into website, also including help file.

3) How to collect own IR codes and add it into database for customers to share?

A) Use "Code Learn" function to add IR code into "My database".

B) Use "IR Reader" tool to collect IR code into software, then output into the software of PC programmable remote.

C) Use "IR Reader" tool to import other codes, which is output by others, or Philips IR data, or other famous data format.

D) Because It is forbidden to add or modify the code in "Factory Database", any customer can upload the collected code to own web server, which is called "Internet Shared Database".